

20001206.qrp v02_n028.qrl.20001206

Date: Wed, 6 Dec 2000 19:03:13 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2028

QRP-L Digest 2028

Topics covered in this issue include:

- 1) [85534] FS: Radio Shack HTX-10
by John Wagner <john@neknetwork.com>
- 2) [85535] Advice on Loop
by Steve Muncy <listsubs@sintezo.com>
- 3) [85536] Fw: [qrp] FW: Battleship Wisconsin Special Event
by "Robert Roach" <ke4qok@worldnet.att.net>
- 4) [85537] National Semiconductor Voltage boosters
by Charles K Brown <n4so@juno.com>
- 5) [85538] Re: Square Coax
by "Walter D Amos" <waltk8cv@surfree.com>
- 6) [85539] off topic, speaker amp
by "Rich Wilkerson" <richqrp@home.com>
- 7) [85540] Re: NA5N's The Electronic Data Book where can I buy it?
by "Paul Harden, NA5N" <na5n@rt66.com>
- 8) [85541] Re: NA5N's The Electronic Data Book where can I buy it?
by Phil Wheeler <w7ox@earthlink.net>
- 9) [85542] Re: Advice on Loop
by K5BDZ@aol.com
- 10) [85543] Re: Advice on Loop
by "Pastor-KC1DI" <elbc@pivot.net>
- 11) [85544] Re: Square Coax
by K2FN@aol.com
- 12) [85545] Paddle recommendations
by Andrew Madsen <andrew@utahdesign.com>
- 13) [85546] Re: FOX: my turn!12/5 (UTC)
by KB7WW Art Moe <kb7ww@chatusa.com>
- 14) [85547] K1 grouch again
by Robert McAtee <w5tnj@camalott.com>
- 15) [85548] FOX Dan is going good but...
by "Karl F. Larsen" <k5di@zianet.com>
- 16) [85549] Re: K1 grouch again
by "Don Wines" <dwines@tyler.net>
- 17) [85550] Re: K1 grouch again
by Phil Wheeler <w7ox@earthlink.net>
- 18) [85551] Re: [Elecrafft] Paddle recommendations
by Phil Wheeler <w7ox@earthlink.net>
- 19) [85552] Lessons learned from past FYB0s (Sorta long)

- by Jeff <fantbb@yahoo.com>
- 20) [85553] Re: Paddle recommendations
by igeq100@iupui.edu
- 21) [85554] Re: FOX Dan is going good but...
by Bob Nielsen <nielsen@oz.net>
- 22) [85555] Good Information for FYBO Contest
by "Ron Polityka" <wb3aal@fast.net>
- 23) [85556] Re: Good Information for FYBO Contest
by Phil Wheeler <w7ox@earthlink.net>
- 24) [85557] Re: Battery Info
by "Jim Gelbort" <jamesgelbort@worldnet.att.net>
- 25) [85558] Re: Advice on Loop
by "Mike Branca" <w3irz@att.net>
- 26) [85559] Best antenna bet for 80 meters.
by "Dan W. Dooley" <dandooley@pipeline.com>
- 27) [85560] FOX - WHOA!!!! BRRRRRAAAAPPPP
by Macstein@aol.com
- 28) [85561] Re: Advice on Loop
by "pschweitzer" <pschweitzer@netzero.net>
- 29) [85562] Final-Final Log #12
by Don Minkoff <cowchip@mediaone.net>
- 30) [85563] Re: FOX - WHOA!!!! BRRRRRAAAAPPPP
by RangerSF5@aol.com
- 31) [85564] FOX- Disqualifying myself....with apologies.
by "Mike Lyness, AF4LQ" <olyellr@iglou.com>
- 32) [85565] 160m Test w. G5RV
by Adrian Weiss <aweiss@usd.edu>
- 33) [85566] FOX: preliminary count 12/5
by Dan Presley <talljazz@teleport.com>
- 34) [85567] Re: bilfilar winding questions
by "Leon Heller" <leon_heller@hotmail.com>
- 35) [85568] A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
by "Trevor Jacobs" <fxtech@earthlink.net>
- 36) [85569] Re: VP5/AA5B
by Jim Cluett <w1pid@yahoo.com>
- 37) [85570] Re: Advice on Loop
by "Pastor-KC1DI" <elbc@pivot.net>
- 38) [85571] Re: Advice on Loop
by "pschweitzer" <pschweitzer@netzero.net>
- 39) [85572] WTB: Heathkit HW-7
by "W4CDF" <res043pa@gte.net>
- 40) [85573] RE: [Elecraft] Re: fybo contest
by "John L. Sielke" <w2agn@pobox.com>
- 41) [85574] Re: FOX- Disqualifying myself....with apologies.
by "Karl F. Larsen" <k5di@zianet.com>
- 42) [85575] OPERATING - USS Kidd Special Event
by Jim Giammanco <giamman@rouge.phys.lsu.edu>
- 43) [85576] FYBO Rules

by Bob Hightower <nk7m@extremezone.com>
44) [85577] Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
45) [85578] Re: Advice on Loop
by Bill Coleman <aa4lr@arrl.net>
46) [85579] Re: Advice on Loop
by Bill Coleman <aa4lr@arrl.net>
47) [85580] Re: Paddle recommendations
by "Bruce Kizerian" <kizerian@ced.utah.edu>
48) [85581] Re: Advice on Loop
by Bill Coleman <aa4lr@arrl.net>
49) [85582] Re: Advice on Loop
by Bill Coleman <aa4lr@arrl.net>
50) [85583] Attention Flying Pigs
by Bruce Muscolino <w6toy@erols.com>
51) [85584] [CONTEST]: Reminder for logs
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
52) [85585] Re: Advice on Loop
by "Bob Duckworth" <wb4mnf@atl.org>
53) [85586] Antenna tuner question: Thanks!
by Robsparks@aol.com
54) [85587] Re: Advice on Loop
by Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
55) [85588] Re: Advice on Loop
by Bill Coleman <aa4lr@arrl.net>
56) [85589] Re: Advice on Loop
by David Heintzleman <pstrdave@kdsi.net>
57) [85590] Re: [CONTEST]: Reminder for logs
by "Karl F. Larsen" <k5di@zianet.com>
58) [85591] RE: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
by schoon@amgt.com
59) [85592] Re: Advice on Loop
by "Pastor-KC1DI" <elbc@pivot.net>
60) [85593] Re: Best antenna bet for 80 meters.
by "Bob Tellefsen" <n6wg@earthlink.net>
61) [85594] K-1 Alive in Fresno
by dave_epps@juno.com
62) [85595] CONTEST: QRPDUPE New Version Released
by Brian Kassel <bkassel@dancris.com>
63) [85596] EPA Calendar
by "John L. Sielke" <w2agn@pobox.com>
64) [85597] Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
by "Steven Weber" <kd1jv@moose.ncia.net>
65) [85598] Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
by "Trevor Jacobs" <fxtech@earthlink.net>
66) [85599] F/S: Norcal 40A
by steven.e.huss@exgate.tek.com

- 67) [85600] RE: ArkieCon
by "Jay Bromley" <w5jay@alltel.net>
- 68) [85601] RAC Summer & Winter logger pgm
by Bruce Rattray <rattray@gpfn.sk.ca>
- 69) [85602] Paddle Recommendation from KI6DS
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 70) [85603] FW: F/S: Norcal 40A
by steven.e.huss@exgate.tek.com
- 71) [85604] Re: Paddle Recommendation from KI6DS
by "Chuck Adams, K7Q0" <k7qo@primenet.com>
- 72) [85605] RE: FYBO Rules
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 73) [85606] bifilar: twisted vs. linear winding
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 74) [85607] Re: [Elecraft] K-1 Alive in Fresno
by Phil Wheeler <w7ox@earthlink.net>
- 75) [85608] Re: bifilar: twisted vs. linear winding
by Chris Trask <ctrask@primenet.com>
- 76) [85609] Good [vital] Information for FYBO Contest
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 77) [85610] Kenwood TS-830
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 78) [85611] Re: Best antenna bet for 80 meters.
by Phil Wheeler <w7ox@earthlink.net>
- 79) [85612] Re: [fpqrp] Pointers in Orange County and Palm Springs?
by w2xn@juno.com
- 80) [85613] Re: Good [vital] Information for FYBO Contest
by "Karl F. Larsen" <k5di@zianet.com>
- 81) [85614] Re: [fpqrp] Pointers in Orange County and Palm Springs?
by Phil Wheeler <w7ox@earthlink.net>

Date: Tue, 05 Dec 2000 19:35:06 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85534] FS: Radio Shack HTX-10
Message-ID: <3A2D89BA.3E6123D@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is the same HTX-10 that I bought from John AE5X on this list a couple of weeks ago. I'm finding that I don't use the rig and don't need it. Have used it mobile for 15 or so Q's, 5 DX using a whittled down CB antenna. This rig is SSB/FM/AM only.

I paid \$65 - that's the price again today, including shipping (DX

extra).

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com

Web page: <http://www.neknetwork.com>

Personal Web page: <http://www.together.net/~jwag>

Date: Tue, 05 Dec 2000 18:34:06 -0600

From: Steve Muncy <listsubs@sintezo.com>

To: QRP List QRP-L <qrp-l@lehigh.edu>

Subject: [85535] Advice on Loop

Message-ID: <B652E59E.36EE%listsubs@sintezo.com>

Mime-version: 1.0

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

I'm not an expert on antennas - far from it - but I've always preferred simple wire antennas. I realized just recently that the placement of trees around my lot will allow me to put up a loop antenna, although not higher than 25-35 feet and with a total loop length of around 330 feet. I don't know much about loops, but I suspect such an antenna will be superior to my G5RV at 20 feet.

The antenna will be used on 80 thru 10 meters. I need the advice of the esteemed and experienced operators on QRP-L.

1) should I go for maximum length of about 330 ft, or cut it back to the 272 feet that would be a resonant loop on 80 meters?

2) my inclination is to feed it with 450 ohm window line, but I see some recommendations to feed it with small coax. Since I'm usually running less than 3 watts, line loss of RG-58 might be a consideration since the run will be about 50 feet. Any thoughts?

3) or should I just dump the idea of a loop and go with 100' of wire antenna fed as a dipole with 450 ohm ladder line?

Suggestions direct to me, or to the list are appreciated.

Steve Muncy, NI5V <<mailto:smuncy@sintezo.com>>

Dallas, TX <<http://www.sintezo.com/smuncy/hamradio/>>

QRP-ARCI #10330 QRP-L #2191 FISTS # 7412

Date: Tue, 5 Dec 2000 19:41:20 -0500
From: "Robert Roach" <ke4qok@worldnet.att.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "=?iso-8859-1?Q?Ren=E9_B._Valladares?=" <rbvdmv@netzero.net>, "RARS" <rars-l@rttnet.org>, "Knightlights" <klqrp@aplegate.org>,
"Glowbugs" <glowbugs@piobaire.mines.uidaho.edu>, "david earnest" <david.earnest@worldnet.att.net>, "Caitlyn" <caitlyn@netferrets.net>
Subject: [85536] Fw: [qrp] FW: Battleship Wisconsin Special Event
Message-ID: <004801c05f1d\$42e702e0\$34015d0c@ke4qok>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is a special event that may be of interest.

Bob
KE4QOK

----- Original Message -----
> -----Original Message-----
> From: Don Lynch [mailto:w4zyt@exis.net]
> Sent: Saturday, December 02, 2000 9:58 PM
> To: cq-contest@contesting.com; dx-list@eGroups.com; DX-NEWS@pro-usa.net;
> PVRC@qth.net
> Subject: Battleship Wisconsin Special Event
>
>
> The USS Wisconsin Radio Club will make its debut under callsign N4WIS
> during a four-day special event from the Nauticus National Maritime
> Museum in Norfolk, Virginia, December 7-10. This event commemorates the
> 59th anniversary of the attack at Pearl Harbor, and marks the permanent
> berthing of the Wisconsin at the Nauticus Museum. Operations from the
> museum will be on CW and SSB 40-10 meters (7035, 10110, 14035, 18078,
> 21035, 28035, 7235, 14210, 18120, 21260) as well as 2 meter FM
> (146.970). Times 1300-2200 UTC (0800-1700 EST). Other off site
> operation by the club on additional ham bands during other hours using
> the N4WIS callsign is planned. A commemorative QSL or certificate will
> be available.
>
> USS Wisconsin alumni or other interested hams,
> particularly those with a Navy or WWII background, are invited to join
> the USS Wisconsin Radio Club as associate members.
>
> The USS Wisconsin (BB-64) is the last and largest of the

> US Navy's battleships. She has had a distinguished career following her
> commissioning in 1943, serving in the Pacific in WWII as well as seeing
> action in Korea and Desert Storm. She is eighteen stories tall, mounts
> nine 16-inch guns, and is over 900 feet in length. On 7 December, she
> will become a permanent exhibit at the Nauticus National Maritime Museum
> in a ceremony attended by the governors of both Wisconsin and Virginia
> as well as by a host of senior Navy officials.

> The USS Wisconsin Radio Club is the brainchild of Elias
> "Bus" Etheridge, K4IX, a ham since 1936, who served with distinction as
> a Naval officer during WWII. The staff of the Nauticus Museum and the
> USS Wisconsin Foundation have been most supportive of the club's
> efforts, and it is anticipated that the Radio Club will become a part of
> the permanent USS Wisconsin installation.

> For information contact: Bus, K4IX (k4ix@arrl.net),
> Carey KT4P (cbrown@exis.net), or Don W4ZYT (w4zyt@exis.net).

>
>
>
>
>

> -----
> To unsubscribe, write to qrp-unsubscribe@listbot.com

>

> Start Your Own FREE Email List at <http://www.listbot.com/links/joinlb>

Date: Tue, 5 Dec 2000 18:18:45 -0600
From: Charles K Brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [85537] National Semiconductor Voltage boosters
Message-ID: <20001205.184103.14638.5.n4so@juno.com>

Subject: Voltage Boosting with Switching Regulators
boost.txt

National Semiconductor switching regulators
Available from Digi-Key.

To obtain free software and get more information on the
LM2587 and other Simple Switcher modules,, visit the National
Semiconductor Web page: [http://www.national.com/sw/Simple Switcher/
0,1043,0,00.html](http://www.national.com/sw/Simple%20Switcher/0,1043,0,00.html), you can download the individual software versions
from <http://www.national.com/sw/switch/sm421.exe> and [http://www.national.
com/sw/switch/sms33.exe](http://www.national.com/sw/switch/sms33.exe). Also see <http://www.national.com> and
<http://www.nsc.com>, or contact them via e-mail support@tevm2.nsc.com.
source: QST July 1997 p.43. and refer to Designing a Switching
Regulator:

That Was Then-- This Is Now.

Ref. Sam Ulbing, N4UAU, "My All-Purpose Voltage Booster,

QST, July 1997, p. 40-43.

LM2587 is one used by Sam Ulbing to convert 4 D-size batteries to 14 volts DC. Yes, this circuit has an adjustable output voltage up to 65 volts and works with loads from less than 20 mA to over 3 A. Design of your own switching regulator can be done with the National software.

See page 42 of July same issue-- Designing a Switching Regulator: That was Then- This is Now. The discussion is on National's software that does the calculations based on current draw, input and output voltages and percent of ripple. See page 42 for details.

Ken Brown N4SO
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K-1 on the work bench

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Wed, 6 Dec 2000 00:59:44 -0000
From: "Walter D Amos" <waltk8cv@surfree.com>
To: <weinfurt@oak.cats.ohiou.edu>
Cc: "Posts Qrp-l" <qrp-l@lehigh.edu>
Subject: [85538] Re: Square Coax
Message-ID: <009d01c05f1f\$d3b42f80\$bd891b26@waltamos>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

well if you had a SQUARE qrp rig you would certainly need it
..... !!

How about square ducts, it would pull through them easier with a lot of DUCT grease !!

It would fit in the corner of the ceiling of you bedroom better
..... ??

Naturally QRPERS would buy it because everyone knows there signals are 2 PIE SQUARED .

Square coax can only be purchased at the Dayton Hamvention between 11 PM and Midnight.

Baloooooooooooooooooooo

----- Original Message -----

From: "Greg Weinfurtner" <weinfurt@oak.cats.ohiou.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 05, 2000 3:26 PM
Subject: Re: Square Coax

> >I would like to thank the many people who sent me very much appreciated
> >info about square coaxial transmission lines. I had no idea there were so
> >many people with knowledge of and experience with this relatively rare
bird!

> >

> >TNX again all -

> >

> >Murph, VE3ERP

>

> Hey Murph,

> I must have missed the post... what is it used for and why?

>

> Expiring minds want to know! ;')

>

>

> NS80

>

>

>

Date: Tue, 5 Dec 2000 17:01:49 -0800
From: "Rich Wilkerson" <richqrp@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85539] off topic, speaker amp
Message-ID: <001b01c05f20\$1d291e00\$f5460418@elcjin1.sdca.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello to the group, I know this is off topic but I need some help. I was asked to mount speakers on a wall at our church, my question is, they have a solid state amp built in each box, can I mount these on their sides safely? I remember there was rules with some tubes but I am not sure with the solid-state.

Thanks, WD6FDD/ Rich

Date: Tue, 5 Dec 2000 18:08:17 -0700 (MST)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Ronnie Davis <ke4vpn@yahoo.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85540] Re: NA5N's The Electronic Data Book where can I buy it?
Message-ID: <Pine.SUN.4.10.10012051758580.633-1000000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 5 Dec 2000, Ronnie Davis wrote:

> Thanks for reading message. Im looking to buy NA5N's
> book " The Electronic Data Book for Homebrewers and
> QRPers" but I have no idea where to find one?

The Data Book is available from:

- 1) HB Electronics http://users.ids.net/~hb_elec/ Bob Berlyn, N2PWU
hb_elec@ids.com
- 2) Kanga U.S. www.bright.net/~kanga/kanga/
- 3) Quicksilver Printing (see below)

Also available from Quicksilver:

2N2/40 Book, the step-by-step construction of Jim
Kortge's (K8IQY) famous 2N2/40 \$12

Elmer 101 Book, the QRP-L lessons for building the
NN1G SW40+ plus excellent tutorials by others \$12

The Data Book for QRPers and Homebrewers \$20

Above prices include shipping to US/VE and available from:

Quicksilver Printing
P.O. Box 757
Socorro, New Mexico 87801

> I'm wanting to build a rig from scratch and think this
> will be a great help to me.

Both the Elmer 101 and 2N2/40 books also contains lots of good circuit descriptions and hints for building rigs from scratch as well as the Data Book. GL with your projects.

72, Paul NA5N

PS - Orders will be processed and mailed before xmas or declaration of the next president, whichever occurs first :-(

Date: Tue, 05 Dec 2000 17:12:43 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: na5n@rt66.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85541] Re: NA5N's The Electronic Data Book where can I buy it?
Message-ID: <3A2D928B.FBCAE0AB@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Paul Harden, NA5N" wrote:

>
> PS - Orders will be processed and mailed before xmas or declaration of
> the next president, whichever occurs first :-(

Chirstmas of what year, Paul :-;

Phil

Date: Tue, 5 Dec 2000 20:18:37 EST
From: K5BDZ@aol.com
To: listsubs@sintezo.com, qrp-1@lehigh.edu
Subject: [85542] Re: Advice on Loop
Message-ID: <f2.53f744f.275eeded@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If you have a tuner, go the whole "9 yards" and wrap 330' (NON-resonant antennas.....I love'em) and then tune all bands with a tuner.
Prefer feed with 450 ohm or twin lead of some kind.
Bill in Houston

Date: Tue, 5 Dec 2000 20:29:36 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <listsubs@sintezo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85543] Re: Advice on Loop
Message-ID: <003701c05f24\$09674c80\$1e11a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Steve Muncy" <listsubs@sintezo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, December 05, 2000 7:34 PM
Subject: Advice on Loop

> I'm not an expert on antennas - far from it - but I've always preferred
> simple wire antennas. I realized just recently that the placement of trees
> around my lot will allow me to put up a loop antenna, although not higher
> than 25-35 feet and with a total loop length of around 330 feet. I don't
> know much about loops, but I suspect such an antenna will be superior to
my
> G5RV at 20 feet.
>
> The antenna will be used on 80 thru 10 meters. I need the advice of the
> esteemed and experienced operators on QRP-L.
>
> 1) should I go for maximum length of about 330 ft, or cut it back to the
272
> feet that would be a resonant loop on 80 meters?
>
> 2) my inclination is to feed it with 450 ohm window line, but I see some
> recommendations to feed it with small coax. Since I'm usually running less
> than 3 watts, line loss of RG-58 might be a consideration since the run
will
> be about 50 feet. Any thoughts?
>

> 3) or should I just dump the idea of a loop and go with 100' of wire antenna

> fed as a dipole with 450 ohm ladder line?

>

> Suggestions direct to me, or to the list are appreciated.

>

>

>

> -----
> Steve Muncy, NI5V <<mailto:smuncy@sintezo.com>>

> Dallas, TX <<http://www.sintezo.com/smuncy/hamradio/>>

> QRP-ARCI #10330 QRP-L #2191 FISTS # 7412

Hi Steve,

I used a 500' Horizontal loop for many years here and it was a super performer , the best all band antenna i've used. I would go with the 330' Loop and feed it with open wire line.. It will have fairly low angle radiation on all frequencies where the loop is greater than about 1.5 wavelength.

I would still have mine up but lost two big trees when we had an ICE Storm in 1998. So don't have the natural supports any more..

Would also suggest that you take a look at W4RNL's great web sight at the URL Below.

73 And Good Luck , Dave KC1DI

<http://www.cebik.com/h1.html>

and

<http://www.cebik.com/at11.html>

It's also a good Idea if you can put up a vertical especially for say 20 through 10meters.. the large loops develop substantial gain at these higher frequencies but also develop substantial nulls in the pattern. which a vertical can fill in nicely.

Date: Tue, 5 Dec 2000 20:40:50 EST

From: K2FN@aol.com

To: qrp-l@lehigh.edu

Subject: [85544] Re: Square Coax

Message-ID: <16.5a81e69.275ef322@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

I've always had trouble finding the connectors. And they're tough to screw on. Frank..... K2FN

In a message dated 12/5/00 7:56:35 PM Eastern Standard Time, waltk8cv@surf.free.com writes:

```
> well if you had a SQUARE qrp rig you would certainly need it
> ..... !!
>
> How about square ducts, it would pull through them easier with a lot of
DUCT
> grease !!
>
> It would fit in the corner of the ceiling of your bedroom better
> ..... ??
>
> Naturally QRPERS would buy it because everyone knows their signals are 2
PIE
> SQUARED .
>
> Square coax can only be purchased at the Dayton Hamvention between 11 PM
and
> Midnight.
>
> Balooooooooooooooooooooo
>
>
> ----- Original Message -----
> From: "Greg Weinfurtner" <weinfurt@oak.cats.ohiou.edu>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, December 05, 2000 3:26 PM
> Subject: Re: Square Coax
>
>
> > >I would like to thank the many people who sent me very much appreciated
> > >info about square coaxial transmission lines. I had no idea there were
so
> > >many people with knowledge of and experience with this relatively rare
> bird!
> >
> > >TNX again all -
> >
> > >Murph, VE3ERP
> >
> > Hey Murph,
> > I must have missed the post... what is it used for and why?
> >
```

> > Expiring minds want to know! ;')
> >
> >
> > NS80
> >
> >

Date: Tue, 05 Dec 2000 18:43:57 -0700
From: Andrew Madsen <andrew@utahdesign.com>
To: Eleccraft List <eleccraft@qth.net>, FPQRP <fpqrp-1@mpna.com>, qrp-1@lehigh.edu
Subject: [85545] Paddle recommendations
Message-ID: <3A2D99DD.803DC1CA@utahdesign.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm looking for recommendations on what paddle to get. Anything up to about \$150. I would also like recommendations in the \$100 range. I will be asking for this for Christmas, so my mom and dad will be choosing how much money to spend. I'm not looking for a portable paddle, I will be using it at home. Thanks in advance for suggestions.

--
73,
Andrew Madsen AC7CF
ac7cf@qsl.net
<http://www.qsl.net/ac7cf>
AOL IM: ac7cf
FISTS nr. 7439 | QRP-L nr. 2180
FPQRP#-71 | A.R.S nr. 738
SOC #376 | UARC | ARRL
Norcal | NOGAQRP | NJQRP

Date: Tue, 05 Dec 2000 17:56:34 -0800
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: talljazz@teleport.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85546] Re: FOX: my turn!12/5 (UTC)
Message-ID: <3A2D9CD2.4A004435@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Should be good hearing 234 already

Art
KB7WW

Dan Presley wrote:

>
> OK-are we all ready for another round?? It's my turn in the barrel this
> coming Tuesday (local date). UTC date/time is 12/5 0200-0400 UTC. There
> have been some outstanding efforts to date in the hunt, and I'll try to
> hold up my end. A couple of notes-remember that the band can 'go long'
> during the last part of the hunt,so if you're on that 'other coast', hang
> in and call me! I often hear 1's through 5's very well later on.
> I will be listening up- from a minimum of .5 to 3Khz, and the exchange
> will be rather quick with the exception of your callsign at the beginning
> and end of my transmission. I will acknowledge by 'TU FOX', and if you're
> on top of it, hold your calls for a 'beat or two' after I turn it over in
> order to give me a chance to tune to the next hound. See if you can follow
> my pattern, and let's have fun!
> Gear will be K2 and Delta loop with a backup of Corsair II and Gap
> Vertical-see you in my log!
>
> Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Tue, 05 Dec 2000 20:11:52 -0600
From: Robert McAtee <w5tnj@camalott.com>
To: qrp-l@Lehigh.EDU
Subject: [85547] K1 grouch again
Message-ID: <3.0.3.32.20001205201152.007bb4c0@mail.camalott.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm the guy that griped, all in fun, about the K1. Mine is still waiting for a few parts, all still with out it's clothes on. No problem I'm making contacts on it. Today me and a ham buddy decided that the capacitance diode, D3 1SV149, that was bad or I burned up???, wasn't going to stop us. I had been using a poor sub that got me 4 KCs of band window. Well we put an outboard mechanical variable hooked to the pads with about 6 inches of wire. Zowie! now we could tune all over the CW band. Of course hand capacitance was a big problem but with patience we could get the frequency we wanted then with a stick move a roll of solder either close or far from the cap and fine tune it. It's a tough way to go folks but "worked for us". Oh I managed to get 9 watts into my ZM-2 tuner before I backed it down to 6, so I wouldn't have to get some more new parts. That's to a #20 wire strung out the back to a tree, 5 ft off the ground.

That little rig is more fun then trying to run down an armadillo on a Texas hiway..... Y'all have fun now ya hear!..... ==Mac== Abilene, Texas K1 #201

Date: Tue, 5 Dec 2000 19:36:19 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [85548] FOX Dan is going good but...
Message-ID: <Pine.LNX.4.10.10012051931001.1418-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dan the Fox is giving away pelts right and left of 7.041 MHz and I got mine while calling at 7.043 MHz. He is trying to get his keyer to send the Hounds call at 20 and the message at 40 but it's not working out too well. I think you need a new fangled keyer to do that. I tried myself with a CMOS ll keyer and it was not good.

His signal is a bit puny in Southern NM but he is working the EAST coast it sounds like. Not shabby from OR.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 5 Dec 2000 20:32:27 -0600
From: "Don Wines" <dwines@tyler.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85549] Re: K1 grouch again
Message-ID: <00ab01c05f2c\$c6bc41c0\$419186d0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now that's what I call REAL HAMMIN'!!!

72

Don, K5DW

QRP-L #2083 ARCI #10145 NETXQRP #3

k5dw@arrl.net or

dwines@tyler.net

See the NETXQRP Web Page at: www.netxqrp.org

Date: Tue, 05 Dec 2000 18:40:12 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: w5tnj@camalott.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85550] Re: K1 grouch again
Message-ID: <3A2DA70C.F1D4994D@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow, good going, Mac. 9 watts .. whoa, don't burn up that final :-)

73, Phil W7OX

Robert McAtee wrote:

>
> I'm the guy that griped, all in fun, about the K1. Mine is still waiting
> for a few parts, all still with out it's clothes on. No problem I'm making
> contacts on it. Today me and a ham buddy decided that the capacitance
> diode, D3 1SV149, that was bad or I burned up???, wasn't going to stop us.
> I had been using a poor sub that got me 4 KCs of band window. Well we put
> an outboard mechanical variable hooked to the pads with about 6 inches of
> wire. Zowie! now we could tune all over the CW band. Of course hand
> capacitance was a big problem but with patience we could get the frequency
> we wanted then with a stick move a roll of solder either close or far from
> the cap and fine tune it. It's a tough way to go folks but "worked for us".
> Oh I managed to get 9 watts into my ZM-2 tuner before I backed it down to
> 6, so I wouldn't have to get some more new parts. That's to a #20 wire
> strung out the back to a tree, 5 ft off the ground.
> That little rig is more fun then trying to run down an armadillo on a Texas
> hiway..... Y'all have fun now ya hear!..... ==Mac== Abilene, Texas K1 #201

Date: Tue, 05 Dec 2000 18:51:45 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: Andrew Madsen <andrew@utahdesign.com>
Cc: Elecraft List <elecraft@qth.net>, FPQRP <fpqrp-1@mpna.com>, qrp-1@lehigh.edu
Subject: [85551] Re: [Elecraft] Paddle recommendations
Message-ID: <3A2DA9C1.141F9652@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andrew,

I think the March paddles are in the upper range you mentioned, and are very good; I have a set. See:

<http://www.qsl.net/k4qu/>

One problem with the really good paddles is that they are not always immediately available (I had to wait a couple of months for my Schurr Portable Wabblers).

A suggestion: You might check with Marshall Emm at Morse Express

<http://www.morsex.com/index.html>

on what he would recommend and (maybe also important) what he has in stock; the web site, itself, has a nice catalog of paddles. I've always been very pleased with his wares, recommendations, and support/service. Note that my only relationship is as a long-term, satisfied customer.

And you can find user comments on a variety of paddles at:

<http://www.eham.net/reviews/products/16>

73, Phil W70X

Andrew Madsen wrote:

>
> I'm looking for recommendations on what paddle to get. Anything up to
> about \$150. I would also like recommendations in the \$100 range. I
> will be asking for this for Christmas, so my mom and dad will be
> choosing how much money to spend. I'm not looking for a portable
> paddle, I will be using it at home. Thanks in advance for suggestions.
>
> --
> 73,
> Andrew Madsen AC7CF
> ac7cf@qsl.net
> <http://www.qsl.net/ac7cf>
> AOL IM: ac7cf
> FISTS nr. 7439 | QRP-L nr. 2180
> FPQRP#-71 | A.R.S nr. 738
> SOC #376 | UARC | ARRL
> Norcal | NOGAQRP | NJQRP
>
> ---
> Submissions: elecraft@qth.net
> Please note: The list server automatically rejects HTML encoded emails.

> List Archive page: <http://www.qth.net/archive/elecraft/elecraft.html>
> Elecraft Web Page: <http://www.elecraft.com>

Date: Tue, 5 Dec 2000 19:03:25 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-1@lehigh.edu>
Subject: [85552] Lessons learned from past FYBOs (Sorta long)
Message-ID: <20001206030325.64843.qmail@web10007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'd thought I'd pass on a few things Denis KF6G0 and I learned from our past FYBO experiences. First off if you haven't ever done a FYBO do it! It's great fun with lots of participation. Plus you get to swap FYBO war stories! 8-)

I learned to bring plenty of warm clothing and extra socks and shoes. I've frozen, gotten wet and just plain wished I'd had more warm clothes with me. Better to much than too little. A woolen watch cap is a must and a warm blanket sure couldn't hurt. Hot drinks are a real nice addition to a cold damp day. Take a couple of thermos's if you can of hot water or coffee or both. You can't have enough! I just ordered a 12 volt coffee maker from Camping World online. I am looking forward to it's constant supply of hot drinks. Of course bring plenty of food. Denis and I are big on that! 8-)

Bring duplicates of any equipment that you can. Extra antennas, coax, keys, rigs, cables, toolkits, etc. Extra batteries for those little gadgets that need it. Murphy's law says what ever you don't bring an extra of you will need it! We were at one of the QRP to the Fields and for a few minutes we thought that our one rig had gone belly up. I had forgotten to bring mine this ONE time. Gave us both a sinking feeling and could have easily ruined the day. Bring manuals for the stuff you don't use that often. You won't remember how many times and what sequence to push that little button in for that option you desperately need. If you have a new piece of equipment make sure you know how to use it before you get out in the field. That is not the time to learn how.

Bring extra backup power. Don't rely on just one battery unless you know for a fact it is rock solid. Even then bring another! Make sure you have battery cables and spares for all your equipment. I carry a butane soldering unit, wire and connectors just in case I have to whip one up on a moments notice.

If you follow these rough guidelines they should make your FYBO more

enjoyable.

Happy Holidays and 73!

Jeff

=====

AB6MB

Stop censorship on mailing lists!

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

Do You Yahoo!?

Yahoo! Shopping - Thousands of Stores. Millions of Products.

<http://shopping.yahoo.com/>

Date: Tue, 5 Dec 2000 22:11:19 -0500 (EST)

From: igeq100@iupui.edu

To: Andrew Madsen <andrew@utahdesign.com>

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [85553] Re: Paddle recommendations

Message-ID: <Pine.GS0.3.96.1001205220547.25886A-1000000@jade.iupui.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Andrew -

In the price range you are looking at, the Kent paddle (made in England and available either assembled or as a very simple kit) is very nice. It is heavy, well finished, and solid. It can be obtained from Amateur Accessories (www.amateuraccessories.com).

Usual disclaimer - just a satisfied customer of a good company.

72/73,

Rich, WB9LPU

On Tue, 5 Dec 2000, Andrew Madsen wrote:

> I'm looking for recommendations on what paddle to get. Anything up to
> about \$150. I would also like recommendations in the \$100 range. I
> will be asking for this for Christmas, so my mom and dad will be

> choosing how much money to spend. I'm not looking for a portable
> paddle, I will be using it at home. Thanks in advance for suggestions.
>
> --
> 73,
> Andrew Madsen AC7CF
> ac7cf@qsl.net
> <http://www.qsl.net/ac7cf>
> AOL IM: ac7cf
> FISTS nr. 7439 | QRP-L nr. 2180
> FPQRP#-71 | A.R.S nr. 738
> SOC #376 | UARC | ARRL
> Norcal | NOGAQRP | NJQRP
>
>
>

Date: Tue, 5 Dec 2000 19:15:04 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [85554] Re: FOX Dan is going good but...
Message-ID: <20001205191504.A9093@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I wonder if I am a bit too close and he is skipping right over me. I am copying hounds from all over the place, but no fox. On the other hand, Brian was quite loud here last night.

On Tue, Dec 05, 2000 at 07:36:19PM -0700, Karl F. Larsen wrote:

>
> Dan the Fox is giving away pelts right and left of 7.041 MHz and I
> got mine while calling at 7.043 MHz. He is trying to get his keyer to send
> the Hounds call at 20 and the message at 40 but it's not working out too
> well. I think you need a new fangled keyer to do that. I tried myself with
> a CMOS 11 keyer and it was not good.
>
> His signal is a bit puny in Southern NM but he is working the EAST
> coast it sounds like. Not shabby from OR.

--

Bob Nielsen, N7XY
Bainbridge Island, WA

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Tue, 5 Dec 2000 22:35:51 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". NJ QRP-L" <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [85555] Good Information for FYBO Contest
Message-ID: <020d01c05f35\$a2ecb0a0\$405278cc@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Check out this Wind Chill Chart before you go
out to operate the FYBO contest.

<http://www.n3epa.org/Pages/Wind-Chill.htm>

It will help you be prepared for the cold chill in
the northern part of the country.

Have a Safe & Happy Holidays!!

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
 <http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Tue, 05 Dec 2000 19:38:47 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: wb3aal@fast.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85556] Re: Good Information for FYBO Contest
Message-ID: <3A2DB4C7.C5AC9442@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron Polityka wrote:

>
> Hello,
>
> Check out this Wind Chill Chart before you go
> out to operate the FYBO contest.
>
> <http://www.n3epa.org/Pages/Wind-Chill.htm>
>
> It will help you be prepared for the cold chill in
> the northern part of the country.
>

I can take the tent I used in the Himalayas. Kinda overkill in SoCal,
though :-;

No matter: My Integral Designs tent follows me everywhere.

73, Phil W7OX

Date: Tue, 5 Dec 2000 21:42:48 -0600
From: "Jim Gelbort" <jamesgelbort@worldnet.att.net>
To: <jamesgelbort@worldnet.att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85557] Re: Battery Info
Message-ID: <004801c05f36\$9b490320\$6500a8c0@rob>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who have responded to this query.
As usual: info overload!

Jim N9WW

----- Original Message -----

From: Jim Gelbort <jamesgelbort@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, December 04, 2000 11:59 AM
Subject: Battery Info

> Hello,
>
> Can anyone recommend a good gel-cell battery resource? I'm looking for
info
> on specs, maintenance, cold weather performance, etc. Perhaps a recent
> magazine article or website link?
>
> Thanks for any advice or input.
>
> Jim Gelbort, N9WW
> (Just two little letters, Santa: "K1")
>

Date: Tue, 5 Dec 2000 22:47:07 -0500
From: "Mike Branca" <w3irz@att.net>
To: <qrp-1@Lehigh.EDU>
Subject: [85558] Re: Advice on Loop
Message-ID: <073b01c05f37\$3502f480\$f8384d0c@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve go for the and you will not consider another HF antenna again. Open wire is the only way to go for a multiband antenna. Do not worry about the height as you will never notice the difference. That will do for 80 thru 10 meters but it acts like a dummy load on 160 meters. But if you do consider 160 meters then add the extra 200 feet by zig zagging the wire up and down as I did before I had the space. I am in my 11 th year of using the big loop and even tho I once used a tri band beam I will never go back. If you feel a need to use a balun the 1:1 is the one to use otherwise just connect it to the tuner output. For a lot of details check the webpage of the expert L.B. CEBIK W4RNL.

Mike Branca W3IRZ in Conyers Georgia

Date: Tue, 5 Dec 2000 21:53:06 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [85559] Best antenna bet for 80 meters.
Message-ID: <011201c05f38\$106f22a0\$0400a8c0@bergenbrunswick.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a Butternut HF9V vertical antenna that is elevated to 18 ft. at the base and uses resonant but isolated (from earth ground) radials for all bands. I should add, that I have no separate radials for 80. It took me a long time to get the antenna to the performance level I wanted, and overall, I'm very, very pleased with it. It has served me well on all bands. This question focuses on 80 meter operation though.

The antenna tuning is quite narrow on 80. Over the course of the time I've had it up, it's been tuned to a couple of different parts of the 80/75 meter band. For a time I had it up in the phone portion (about 3900), and while there, worked the Clipperton DXpedition. No problem breaking the pileup. Now, it's centered about 3580. PSK31 is my favorite mode of operation and activity is centered there, but I can do some CW operation in this range as well as the other digital modes. I've made contacts with stations from coast to coast and into VE land running 3 watts on PSK31.

I'd like to gain some additional range on 80 however and believe I have two choices. One is to add another antenna. The other choice is to "extend" the tunable range of this antenna with a tuner.

As for the first choice, I can't put up anything super elaborate. I can't go that high. My trees are perhaps 25 to 35 feet high at most. My lot is not real large, so stringing out a long dipole or big loop is not going to be easy. Various other wire antenna schemes fitting here, would be so low, that they'd probably have to be considered short distance performers.

Putting a tuner on (I have an old but working Dentron Super Tuner) comes with its own limitations as well. Performance of the antenna outside of the naturally resonant range, I believe will be reduced, compared to what it's doing currently.

Bottom line question. Which will work better for me? I don't need to go from edge to edge on the band. Just some more than I currently can.

Thoughts? Ideas?

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

Date: Tue, 5 Dec 2000 22:56:33 EST
From: Macstein@aol.com
To: qrp-l@lehigh.edu
Subject: [85560] FOX - WHOA!!!! BRRRRRAAAAPPPP
Message-ID: <43.d7ff23d.275f12f1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I am SSSS00000000 lucky.... He dug me out and then just as he confirmed for me, the BUZZSAW kicked in again... Amazing. Very good ears Dan.... thanks for the fun! (HOWEVER, my ears can't take this!!! Paul K4FB and I had S9, 40 over QRN here in Central FL even without the digital signal!!!!) Dan was 539 for the QS0, but rarely came above 119/229. Persistance pays again, Dan's skill helped too - GRIN!

72
-MAC-
AF4PS
Odessa, FL "Home of the Infamous Attic Dipole" and K2 #643

QRP-L #704, FISTS #5096, CC #754, NorCal #1998, Zombie #510,
ARCI #9843, AR QRP #257, HI QRP #83, Whiners #5, SOC #28,
West FL QRP, TARC, ARS #751, Flying Pig QRP #-51
and various other annual \$15 commitments.

Date: Tue, 5 Dec 2000 22:05:53 -0600
From: "pschweitzer" <pschweitzer@netzero.net>
To: <listsubs@sintezo.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85561] Re: Advice on Loop
Message-ID: <011001c05f39\$d50ac000\$51b80404@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

well Sir

as far as what I find effective

1st,,, I strictly run monoband dipoles with a 1:1 balun. no tuners ect.
you may be able to stack dipoles on 1 feed line but insure that you tune the
array with a antenna analyzer.

STAY AWAY FROM 450 Ohm line,,,, unless you want to run matched line (a
pain) or deal with tvi (another pain)

rg 58 is ok,, it will due but if you can get it ,,, 1/2 inch RG8 or RG 213
RG214 .
it gives you added db at the antenna,,, low loss of that 3 watts

let me know if it helps
rob
KA0PGQ

----- Original Message -----

From: Steve Muncy <listsubs@sintezo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 05, 2000 6:34 PM
Subject: Advice on Loop

> I'm not an expert on antennas - far from it - but I've always preferred
> simple wire antennas. I realized just recently that the placement of trees
> around my lot will allow me to put up a loop antenna, although not higher
> than 25-35 feet and with a total loop length of around 330 feet. I don't
> know much about loops, but I suspect such an antenna will be superior to
my
> G5RV at 20 feet.
>
> The antenna will be used on 80 thru 10 meters. I need the advice of the
> esteemed and experienced operators on QRP-L.
>
> 1) should I go for maximum length of about 330 ft, or cut it back to the
272
> feet that would be a resonant loop on 80 meters?
>
> 2) my inclination is to feed it with 450 ohm window line, but I see some
> recommendations to feed it with small coax. Since I'm usually running less
> than 3 watts, line loss of RG-58 might be a consideration since the run

will

> be about 50 feet. Any thoughts?

>

> 3) or should I just dump the idea of a loop and go with 100' of wire antenna

> fed as a dipole with 450 ohm ladder line?

>

> Suggestions direct to me, or to the list are appreciated.

>

>

>

> -----
> Steve Muncy, NI5V <mailto:smuncy@sintezo.com>

> Dallas, TX <<http://www.sintezo.com/smuncy/hamradio/>>

> QRP-ARCI #10330 QRP-L #2191 FISTS # 7412

>

>

-----NetZero Free Internet Access and Email-----
Download Now <http://www.netzero.net/download/index.html>
Request a CDRom 1-800-333-3633

Date: Tue, 05 Dec 2000 20:48:28 -0800
From: Don Minkoff <cowchip@mediaone.net>
To: qrp list <qrp-l@Lehigh.EDU>
Subject: [85562] Final-Final Log #12
Message-ID: <3A2DC51C.49E47D0B@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hunt #14 coming on Thursday. Similar style as my last outing without the jitters, and similar to tonights FB hunt by N7CQR. More info to follow.

HUNT #12.

0200	WA9TZE	559	WI	JIM	5W
0204	NQ7X	559	AZ	FLOYD	5W
0205	K5AAR	559	OK	DON	5W
0205	N6WG	599	CA	BOB	5W
0206	AA7EQ	559	AZ	BOB	5W
0207	K5DI	599	NM	KARL	5W
0209	K0MP	559	CO	BILL	5W
0209	N1LN	599	TX	BRUCE	5W

0211	W0CH	559	MO	DAVE	5W
0212	K0EVZ	559	ND	DOC	5W
0213	K7RE	559	AZ	BRIAN	5W
0214	K0FPR	599	CO	AL	5W
0219	K7Q0	599	AZ	CHUCK	2W
0224	WE6W	579	CA	ED	5W
0224	NK7M	579	AZ	BOB	5W
0225	W7ILW	559	AZ	HOWARD	3W
0226	W5SB	559	TX	BILL	5W
0227	NW7DX	559	WA	BEN	5W
0228	W5YR	559	TX	GEO	5W
0230	N2WW	559	CO	LARRY	5W
0231	K7FD	599	OR	JOHN	5W
0232	N1FN	559	CO	ET	5W
0234	N0DSP	559	CO	TOM	5W
0235	N5TW	559	NM	TOM	5W
0236	WA7LNW	599	UT	JACK	5W
0237	K5VUU	559	TX	ED	5W
0238	W6ABC	599	CA	JOCK	5W
0239	K5ZTY	559	TX	BILL	5W
0242	AC5JH	599	OK	TOM	5W
0243	N9AW	559	WI	JERRY	5W
0245	W0RSP	559	SD	ADE	4W
0246	N5EN	559	TX	STEVE	5W
0249	W9XU	559	WI	LON	5W
0250	W0RW	579	CO	PAUL	5W
0252	KB7WW	559	OR	ART	5W
0253	W4NJK	559	CA	CHARLIE	5W
0254	K5JHP	559	TX	BILL	5W
0255	K5LN	559	CO	BILL	5W
0257	N8IE	559	OH	DAN	5W
0258	N0UR	559	MN	JIM	5W
0259	W9XT	559	WI	GARY	5W
0300	K7EL	559	OR	DAVE	5W
0303	KI0II	559	CO	RON	5W
0304	K4FB	559	FL	PAUL	5W
0306	AF4PS	579	FL	MAC	4W
0308	KK5LD	559	TX	DAN	5W
0309	K9IUA	559	ND	KEVIN	5W
0311	KQ5U	559	TX	TERRY	5W
0312	W0JOE	559	MO	JOE	5W
0313	W5USJ	559	TX	CHUCK	4W
0315	WA7TQK	559	ID	BILL	5W
0316	K5E0A	559	LA	WAYNE	5W
0318	KK7GG	559	OR	MIKE	5W
0320	AF4LQ	559	KY	MIKE	5W
0322	K5DW	539	TX	DON	5W
0322	NM5M	559	TX	ERIC	5W

0325	NK9G	559	WI	RICK	5W
0328	K10J	559	TX	OJ	5W
0330	KE6RS	599	CA	RON	5W
0331	W9UQB	559	AZ	MIKE	5W
0332	KE6JJJ	559	CA	JEREMY	2W
0335	AA0ZZ	559	MN	CRAIG	5W
0338	AC7CF	559	UT	ANDY	5W
0339	K0QD	559	CO	HUGH	5W
0342	AD6JY	599	CA	DAN	5W
0344	N0EHW	559	MO	TIM	5W
0346	N0TU	599	CO	STEVE	5W
0347	K8CV	559	MI	WALT	5W
0350	AE9K	559	WI	BRIAN	5W
0352	N4ROA	559	VA	DAN	5W
0353	K2VCO	559	CA	VIC	5W
0354	W0PWE	559	IA	JERRY	5W
0358	W5HNS	559	TX	HENRY	5W
0358	W7AQK	599	AZ	DAVE	5W
0359	N5UW	599	OK	CLIF	5W
0359	W8RU	559	MI	RON	5W
0000	NK6A		CA	FOX	5W

--

Don Minkoff - NK6A

Date: Tue, 5 Dec 2000 23:49:09 EST
 From: RangerSF5@aol.com
 To: Macstein@aol.com, qrp-1@lehigh.edu
 Subject: [85563] Re: FOX - WHOA!!!! BRRRRRAAAPPPP
 Message-ID: <c.e18ac2e.275f1f45@aol.com>
 MIME-Version: 1.0
 Content-Type: text/plain; charset="US-ASCII"
 Content-Transfer-Encoding: 7bit

In a message dated 12/5/00 10:58:10 PM Eastern Standard Time,
 Macstein@aol.com writes:

<< I am SSSS00000000 lucky.... He dug me out and then just as he confirmed for
 me, the BUZZSAW kicked in again... Amazing. Very good ears Dan....

thanks

for the fun! (HOWEVER, my ears can't take this!!! Paul K4FB and I had S9,
 40 over QRN here in Central FL even without the digital signal!!!!) Dan was
 539 for the QSO, but rarely came above 119/229. Persistence pays again, >>
 Hi Mac,

I heard that kick in and after hearing that I just turned the rig off.
Lots of digital stuff on the band tonight but a KB6YF station was coming
through good. Not sure if he was QRP.
He just kept dropping his call about every minute.
K4FB was a solid S-7 here at my QTH.
Bob
WA2HOQrp <tm>

Date: Wed, 6 Dec 2000 00:47:55 -0500
From: "Mike Lyness, AF4LQ" <olyellr@iglou.com>
To: "QRP-L" <qrp-l@lehigh.edu>, "Dan Presley" <talljazz@teleport.com>
Subject: [85564] FOX- Disqualifying myself....with apologies.
Message-ID: <00c601c05f48\$18e7c3a0\$d7efffcc@iglou.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan, and list,

Need to disqualify myself and turn in my pelt from last nights hunt. Not
sure if I was QRP or QRO.....was running 100w's earlier in the evening on
the low end of 40 and thought I'd reset the power to 5w's before I took a
break before the hunt. Later in the evening (after the hunt) I headed back
downband and noticed I had the power at 100w's and am just not sure if I
reset it to that after the hunt or not. Also, my apologies to anyone I may
have QRM'd, if indeed I was running 100.

It was still fun as always and thanks for working me just the same, Dan.
Catch ya' next time around.

73, Mike L.
af4lq

de AF4LQ Louisville, Ky
100% CW...for the pure joy of it!
<http://members.iglou.com/olyellr/>

Date: Tue, 05 Dec 2000 23:59:04 -0800
From: Adrian Weiss <aweiss@usd.edu>
To: qrp-l@lehigh.edu
Subject: [85565] 160m Test w. G5RV
Message-ID: <3A2DF1C8.3BED@usd.edu>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang:

160m was as quiet as I ever heard it here. BUT, the snow came back in Oct and has been here ever since, so I did not have a chance to lay out my many radials in order to use my G5RV as a top-loaded vertical. The results show it!

I used my 30m fullwave (100ft) at 48ft fed thru about 75ft of 450ohm ladder line as a short dipole. During the many hours I called, all that I could see was that famous balloon vertical radiation pattern with all the r.f. going straight up! Later I ran the ant thru EZNEC just to see how bad it actually was. The 3db bandwidth point at around 39-deg was around 8dB down from a reference dipole at a halfwave height!

But that wasn't the end of the story. The feedpoint impedance of ~3.9-j1390ohms translates into an SWR >100:1, which then translates into maybe another 10dB (didn't calculate it) of SWR loss. So, putting 4 watts into the feedline meant that about 400mw was getting out, then maybe another 8dB off the signal angle that was probably making my QSO's! In other words, I was really milliwatting it!

During my incessant unanswered calling, I mentally scaled down my antenna to 20m where it roughly equals a 12ft dipole up 6ft off the ground!!! No wonder Black Widow-supported dipoles work great on 20m!

But the resulting QSO's are interesting. The perimeter was MN, MI, TN, MO, AR, STX, NM, CO, MT -- all probably the result of multiple ground reflections that cost me another 10dB per hop. Interesting feature is that I heard more easily copied CA's than when using the top-loaded vertical. I suspect that somehow the high-angle missed the ground-reflection scatter that happens in one hop to the Rockies. But, I only heard one PA, one WNY, and a couple of VA, GA, but no W1's. Interesting stuff....

Despite about 8 hours of searching and pouncingpouncingpouncing with no responses, I only managed 48Q's in 20 secs. It was all close-in stuff, and maybe two were "easy" QSO's. Oddly, I got a QRZ from a W6 that went thru two repeats from me before he said "too weak, QSB". Now, how the heck did my signal get that far?

Hopefully the snow will go away long enough for me to lay radials before the Feb contest.

But I took it all stoically, reminding myself that a QRP's must be patient and persistent and have realistic expectations.

72, Ade

Date: Wed, 6 Dec 2000 00:13:11 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.EDU, QFOX@egroups.com
Subject: [85566] FOX: preliminary count 12/5
Message-ID: <v03007803b653a2b657cb@[216.26.9.33]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well hounds-quite a skirmish! I have a preliminary count of 93 hounds-I was hoping to break 100, but a combination of digital qrm, qrn, and balky buttons on my cmos keyer combined to slow it all down a bit. The pace really fell off towards the end, but those east coasters who hung in got through as the band went long. Once in a while my keyer would hang up before spitting out the exchange which caused some confusion for the hounds-'should they wait, or send reports?'. So if they started to send I would usually let it go and then follow with my report and then try to get back on track. Also, with the keyer hanging up I might skip your call at the end of the exchange, but nobody got too thrown off-after all, in a dx pileup you get your call sent only the first time. I tried to send calls at the start and end to keep everyone happy and moving along. Anyway, thanks for the fun and I'll see you again in January hopefully from a big 'antenna farm'! I will post a log very shortly.
PS-I got some honest reports like "339", "549" and even a "229", so I know guys were working hard.

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Wed, 06 Dec 2000 08:09:22
From: "Leon Heller" <leon_heller@hotmail.com>
To: n0rc@hotmail.com, qrp-l@Lehigh.EDU
Subject: [85567] Re: bilfilar winding questions
Message-ID: <F8180tprR0E6faZWZae00003d54@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>

>Bifilar triodes are commonly wound with parallel windings or the wires
>twisted together. What characteristics of the device are most effected
>by these different techniques? What's the decision/design criteria to
>chose one over the other?

The characteristic impedence of the transmission line is controlled better with parallel windings - you can get close to the required value. With very thin wire on small cores it's difficult to use parallel winding, so the wires are usually twisted together. It's the opposite way round with high-power transmission line transformers, of course, due to the thickness of the wire.

73, Leon

--

Leon Heller, G1HSM Tel: (work): +44 1327 357824 (mobile): +44 79 9098 1221
Email:leon_heller@hotmail.com My web page:
http://www.geocities.com/leon_heller
IRISSYS Ltd: <http://www.irisys.co.uk>

Get more from the Web. FREE MSN Explorer download : <http://explorer.msn.com>

Date: Wed, 6 Dec 2000 00:28:18 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85568] A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
Message-ID: <001701c05f5e\$7cfe9ec0\$9b98b2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Everyone,

I was thinking tonight about what to do with the micro Altoids tins, you know the tins that are a lot smaller than the regular ones (I finally found some and bought one!!!). So here's the challenge: Can any of you come up with a micro (probably SMD PCB) transciever for 40 meter that can cover at

least 100 MHz of the band and put out at least 1 watt that will fit inside one of these tiny boxes? Full VFO and at least 3 KHz RIT to boot would be a bonus. This could be the ultimate stealth fun QRP radio. The Ultimate Pocket Rocket!!! I'm sitting here looking at this little tin and already trying to figure out how to pack all of that in there. Sounds like a cool building contest to me. What do you guys and gals think? Take care...

73
Trev
KG6CYN

Date: Wed, 6 Dec 2000 02:36:44 -0800 (PST)
From: Jim Cluett <w1pid@yahoo.com>
To: wb5qyt@abq.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85569] Re: VP5/AA5B
Message-ID: <20001206103644.7863.qmail@web2007.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Pretty exciting! I worked him from New Hampshire at 0138Z with 2W (DSW) and a dipole.

Jim w1pid@arrl.net

--- Tom Whalen <wb5qyt@abq.com> wrote:
> Bruce is on right now. Just worked him on 7.040. He
> is running 5 watts to a
> 2 ele yagi at 65 ft. Go get him!!!
>
> 72, Tom WB5QYT
>

Do You Yahoo!?
Yahoo! Shopping - Thousands of Stores. Millions of Products.
<http://shopping.yahoo.com/>

Date: Wed, 6 Dec 2000 06:39:54 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: <pschweitzer@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85570] Re: Advice on Loop

Message-ID: <004b01c05f79\$41acd060\$2111a1d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "pschweitzer" <pschweitzer@netzero.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 05, 2000 11:05 PM
Subject: Re: Advice on Loop

> well Sir
>
> as far as what I find effective
>
> 1st,,, I strictly run monoband dipoles with a 1:1 balun. no tuners ect.
> you may be able to stack dipoles on 1 feed line but insure that you tune
the
> array with a antenna analyzer.
>
> STAY AWAY FROM 450 Ohm line,,,, unless you want to run matched line (a
> pain) or deal with tvi (another pain(SNIP)

Rob, 450 ohm Balanced line when properly used and balanced causes no more
TVI than Coax.. And for an All Band Antenna it is the feed line of Choice
for it's loss chacteristics.--Dave kc1di

> rob
> KA0PGQ
>
> ----- Original Message -----
> From: Steve Muncy <listsubs@sintezo.com>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Sent: Tuesday, December 05, 2000 6:34 PM
> Subject: Advice on Loop
>
>
> > I'm not an expert on antennas - far from it - but I've always preferred
> > simple wire antennas. I realized just recently that the placement of
trees
> > around my lot will allow me to put up a loop antenna, although not
higher
> > than 25-35 feet and with a total loop length of around 330 feet. I don't
> > know much about loops, but I suspect such an antenna will be superior to

> my
> > G5RV at 20 feet.
> >
> > The antenna will be used on 80 thru 10 meters. I need the advice of the
> > esteemed and experienced operators on QRP-L.
> >
> > 1) should I go for maximum length of about 330 ft, or cut it back to the
> 272
> > feet that would be a resonant loop on 80 meters?
> >
> > 2) my inclination is to feed it with 450 ohm window line, but I see some
> > recommendations to feed it with small coax. Since I'm usually running
less
> > than 3 watts, line loss of RG-58 might be a consideration since the run
> will
> > be about 50 feet. Any thoughts?
> >
> > 3) or should I just dump the idea of a loop and go with 100' of wire
> antenna
> > fed as a dipole with 450 ohm ladder line?
> >
> > Suggestions direct to me, or to the list are appreciated.
> >
> >
> > -----
> > Steve Muncy, NI5V <<mailto:smuncy@sintezo.com>>
> > Dallas, TX <<http://www.sintezo.com/smuncy/hamradio/>>
> > QRP-ARCI #10330 QRP-L #2191 FISTS # 7412
> >
> >
>
>
> _____NetZero Free Internet Access and Email_____

> Download Now <http://www.netzero.net/download/index.html>
> Request a CDRom 1-800-333-3633
> -----
>

Date: Wed, 6 Dec 2000 06:00:56 -0600
From: "pschweitzer" <pschweitzer@netzero.net>
To: "Pastor-KC1DI" <elbc@pivot.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85571] Re: Advice on Loop
Message-ID: <000601c05f7c\$3341af20\$504e0404@oemcomputer>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

True,, the multi band antenna can work with 450 ohm line.

I just found that there is an unacceptable loss with a non resonant multi band approach. The difference is quite noticeable when compared to a monoband approach. As far a simplicity and aggravation using unbalanced coax through a balun at the feed point. resonance adds cheap performance also..

I dislike tuners even though it "works" in the multi band role also.

----- Original Message -----

From: Pastor-KC1DI <elbc@pivot.net>

To: <pschweitzer@netzero.net>; Low Power Amateur Radio Discussion
<qrp-l@Lehigh.EDU>

Sent: Wednesday, December 06, 2000 5:39 AM

Subject: Re: Advice on Loop

>

> ----- Original Message -----

> From: "pschweitzer" <pschweitzer@netzero.net>

> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

> Sent: Tuesday, December 05, 2000 11:05 PM

> Subject: Re: Advice on Loop

>

>

> > well Sir

> >

> > as far as what I find effective

> >

> > 1st,,, I strictly run monoband dipoles with a 1:1 balun. no tuners ect.

> > you may be able to stack dipoles on 1 feed line but insure that you tune
> the

> > array with a antenna analyzer.

> >

> > STAY AWAY FROM 450 Ohm line,,,, unless you want to run matched line (a
> > pain) or deal with tvi (another pain(SNIP)

>

> Rob, 450 ohm Balanced line when properly used and balanced causes no more
> TVI than Coax.. And for an All Band Antenna it is the feed line of Choice
> for it's loss chacteristics.--Dave kc1di

>

>

> > rob

> > KA0PGQ

> >
> > ----- Original Message -----
> > From: Steve Muncy <listsubs@sintezo.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Sent: Tuesday, December 05, 2000 6:34 PM
> > Subject: Advice on Loop
> >
> >
> > > I'm not an expert on antennas - far from it - but I've always
preferred
> > > simple wire antennas. I realized just recently that the placement of
> trees
> > > around my lot will allow me to put up a loop antenna, although not
> higher
> > > than 25-35 feet and with a total loop length of around 330 feet. I
don't
> > > know much about loops, but I suspect such an antenna will be superior
to
> > my
> > > G5RV at 20 feet.
> > >
> > > The antenna will be used on 80 thru 10 meters. I need the advice of
the
> > > esteemed and experienced operators on QRP-L.
> > >
> > > 1) should I go for maximum length of about 330 ft, or cut it back to
the
> > 272
> > > feet that would be a resonant loop on 80 meters?
> > >
> > > 2) my inclination is to feed it with 450 ohm window line, but I see
some
> > > recommendations to feed it with small coax. Since I'm usually running
> less
> > > than 3 watts, line loss of RG-58 might be a consideration since the
run
> > will
> > > be about 50 feet. Any thoughts?
> > >
> > > 3) or should I just dump the idea of a loop and go with 100' of wire
> > antenna
> > > fed as a dipole with 450 ohm ladder line?
> > >
> > > Suggestions direct to me, or to the list are appreciated.
> > >
> > >
> > > -----
> > > Steve Muncy, NI5V <mailto:smuncy@sintezo.com>

> > > Dallas, TX <<http://www.sintezo.com/smuncy/hamradio/>>
> > > QRP-ARCI #10330 QRP-L #2191 FISTS # 7412
> > >
> > >
> >
> >
> >
> > _____NetZero Free Internet Access and Email_____
> > Download Now <http://www.netzero.net/download/index.html>
> > Request a CDRom 1-800-333-3633
> > _____
> >
>
>

_____NetZero Free Internet Access and Email_____
Download Now <http://www.netzero.net/download/index.html>
Request a CDRom 1-800-333-3633

Date: Wed, 6 Dec 2000 07:23:33 -0500
From: "W4CDF" <res043pa@gte.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: "fpqrp-1" <fpqrp-1@mpna.com>
Subject: [85572] WTB: Heathkit HW-7
Message-ID: <000501c05f7f\$5b9439e0\$e8c0173f@h7g8b2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good morning To All,
I would like to buy a heath hw-7 in good
working condition. If anyone has one they
would like to part with please email me with
price and condition.
Thanks , Charlie

Date: Wed, 06 Dec 2000 08:04:52 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: Bob Hightower <nk7m@extremezone.com>
Cc: elecrafft@qth.net, qrp-l@lehigh.edu, Alan <aadelma@yahoo.com>
Subject: [85573] RE: [Elecraft] Re: fybo contest

Message-ID: <XFMail.001206080452.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

So's my 5KW generator.... ;-)

On 05-Dec-00 Bob Hightower wrote:
> Nope, batteries count...they are an alternate to AC Mains.
>
> Bob Hightower NK7M
> Chandler, AZ
> SOC #20
> K2 #157/255, K1 #41

Date: Wed, 6 Dec 2000 07:12:11 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Mike Lyness, AF4LQ" <olyellr@iglou.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85574] Re: FOX- Disqualifying myself....with apologies.
Message-ID: <Pine.LNX.4.10.10012060709390.795-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Don't feel bad Mike, You were just a tiny bit louder than usual.
As we know from many tests, if he doesn't hear 5 he won't hear 100 either.
This is a game and not sure what the *RULES* say. Check that and do
according to the rules.

72, Karl

On Wed, 6 Dec 2000, Mike Lyness, AF4LQ wrote:

> Dan, and list,
>
> Need to disqualify myself and turn in my pelt from last nights hunt. Not
> sure if I was QRP or QRO.....was running 100w's earlier in the evening on
> the low end of 40 and thought I'd reset the power to 5w's before I took a
> break before the hunt. Later in the evening (after the hunt) I headed back
> downband and noticed I had the power at 100w's and am just not sure if I
> reset it to that after the hunt or not. Also, my apologies to anyone I may
> have QRM'd, if indeed I was running 100.
>
> It was still fun as always and thanks for working me just the same, Dan.

> Catch ya' next time around.
>
> 73, Mike L.
> af4lq
> -----
> de AF4LQ Louisville, Ky
> 100% CW...for the pure joy of it!
> <http://members.iglou.com/olyellr/>
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 06 Dec 2000 08:14:52 -0600
From: Jim Giammanco <giamman@rouge.phys.lsu.edu>
To: qrp-1@lehigh.edu
Subject: [85575] OPERATING - USS Kidd Special Event
Message-ID: <3.0.1.32.20001206081452.007fbe90@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Tomorrow, December 7, W5KID will be on the air from aboard the USS Kidd, restored WW2 Fletcher class destroyer in Baton Rouge LA, to commemorate Pearl Harbor Day. The Kidd was named for Rear Admiral Isaac C. Kidd, killed aboard his flagship, USS Arizona, that day. She styled herself "The Pirate of the Pacific" after her more flamboyant namesake, Captain Kidd the pirate. And, when safely out of view of the stodgiest of the brass, proudly flew the Jolly Roger. Her crew would often "ransom" rescued aviators by demanding ice-cream mix from the flattops (she had already "acquired" an ice cream machine - a rare luxury on a tin can). Her stack was decorated with a portrait of the pirate. Whenever the brass ordered it painted over, the crew first smeared it with grease, then followed the orders to the letter, later a few wipes with a rag and the Captain was grinning down again.

see:

<<http://www.usskidd.com/>> USS Kidd and Louisiana Naval War Memorial
<<http://www.brarc.org/kidd.htm>> USS Kidd ARC
<<http://www.brarc.org/>> Baton Rouge ARC

1500 UTC to 2300 UTC --- Operations will be largely ssb, near 28400, 21320, 14240, with cw operations near the QRP frequencies, probably mostly 28060 and 14060, with 21060 a possibility. Look for spots on the DX cluster. I

might bring the K-2 and try to set up a second station for cw only. Listen for the Lionel J-38 or possibly a Vibroplex bug that served aboard another Fletcher class tin can. Regular rig will be TenTec Triton 544 to an end-fed wire in the rigging.

Picture QSL for your card and a small SASE. Certificate for your card and a 9x12 SASE with 55 cents postage. On the air you will be asked for the large SASE and \$1 if you want a certificate, but QRP-L members can ignore the \$ as long as you send your requests direct to me, N5IB, rather than to the club address. My treat.

There should be several other ships active tomorrow. Try to work a few...

Lest we forget....

72,
Jim N5IB

>From QST:

>Baton Rouge, LA: USS Kidd Amateur Radio Club, W5KID, 1500 to 2300Z Dec 7, operating from aboard >the USS Kidd commemorating the 1941 attack on Pearl Harbor. 28.400 21.320 14.240. QSL. >Baton Rouge Amateur Radio Club, Box 4004, Baton Rouge, LA 70821.

Date: Wed, 06 Dec 2000 07:21:49 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: qrp-l@lehigh.edu, elecrafter@qth.net
Subject: [85576] FYBO Rules
Message-ID: <200012061416.HAA01928@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, lots of questions on power, field location, etc...

Power: If you operate inside or outside (like your back yard) and run on AC Mains (commercial type, 'ya know), you don't get an alternate power mult. If you operate outside or inside, on battery, solar or any other source than the AC Mains, you get the mult. Simple.

Field location: If you operate out of your house, or a building on your property, you are in the field, unless you operate from a cabin in the woods....that's still inside :^). The temp mult is what's gonna separate the 'men from the boys' anyway.

Let's try to keep it simple and fun. It ain't for the Championship of the World. It is assumed that everyone will be honest (no reason not to do so), so let's all have fun and just do it.

And no, there isn't gonna be a multiplier for homebrew, QLF, funny hats or other such stuff.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255, K1 #41

<http://www.extremezone.com/~nk7m>

Date: Wed, 06 Dec 2000 14:40:27 +0000
From: "Chuck Adams, K7Q0" <k7qo@primenet.com>
To: fxttech@earthlink.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85577] Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
Message-ID: <5.0.2.1.0.20001206143419.009f7560@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:28 AM 12/6/00 -0800, Trevor Jacobs wrote:

>---snip snip---

>some and bought one!!!). So here's the challenge: Can any of you come up
>with a micro (probably SMD PCB) transciever for 40 meter that can cover at
>least 100 MHz of the band and put out at least 1 watt that will fit inside

---snip snip---

>73
>Trev
>KG6CYN

I'm sorry. I have to pass on this challenge. The best VFO I have in the house can only do about 30MHz. 100MHz coverage is more than just a challenge... :-) ; -)

The VFO I refer to is a kit from Boyd Electronics and called a signal generator.

Ooops. Forgot about the Tektronix Signal Generator. I went and looked and it can do 99.5 MHz in 7 ranges. But it is bulky and uses two tubes and isn't stable enough for CW work or even SSB.

Sorry. I just couldn't resist.

FYI

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com

Date: Wed, 6 Dec 2000 09:55:03 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <listsubs@sintezo.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85578] Re: Advice on Loop
Message-ID: <1001106095502.JAA08388@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/5/00 7:34 PM, Steve Muncy at listsubs@sintezo.com wrote:

>I'm not an expert on antennas - far from it - but I've always preferred
>simple wire antennas. I realized just recently that the placement of trees
>around my lot will allow me to put up a loop antenna, although not higher
>than 25-35 feet and with a total loop length of around 330 feet. I don't
>know much about loops, but I suspect such an antenna will be superior to my
>G5RV at 20 feet.

Horizontal loop or vertical?

A horizontal loop antenna performs roughly the same as a dipole of the same height. The main difference is that a lot of RF energy goes straight up, and it is more omnidirectional, whereas a dipole at sufficient height will show directivity broadside and nulls off the ends.

A vertical loop behaves differently depending on where it is fed. If fed at the top or bottom, it will act very much like a horizontal dipole at

the same height as the AVERAGE of its wire height. If fed at the middle of the side, it acts like a vertical dipole.

>1) should I go for maximum length of about 330 ft, or cut it back to the 272
>feet that would be a resonant loop on 80 meters?

Since you are using the antenna as an untuned multi-band antenna, the length isn't critical. Depending on your tuner, however, you may have better luck tuning the antenna at one length or another. I've used a 270ft loop on all bands, and it tuned rather easily.

>2) my inclination is to feed it with 450 ohm window line, but I see some
>recommendations to feed it with small coax. Since I'm usually running less
>than 3 watts, line loss of RG-58 might be a consideration since the run will
>be about 50 feet. Any thoughts?

Since you're QRP, you want as much power as possible to make it into the antenna to be radiated. Since the antenna is intended as an untuned multi-band antenna, changes are good that a high SWR condition will be present on the feedline. Coax has considerably greater losses with high SWR. Open wire has about a 1/10 of the loss of coax. I'd recommend the open wire.

>3) or should I just dump the idea of a loop and go with 100' of wire antenna
>fed as a dipole with 450 ohm ladder line?

I recommend the dipole. Here's my reasoning:

In most cases, we erect this sort of compromise antenna because we lack sufficiently high antenna supports. A horizontal loop requires at least 3 (triangle) or 4 (rectangle) supports of sufficient height. A vertical loop requires only 2 supports, but effectively reduces the height of the support, since some of the wire is below the top of the support. A dipole requires only 2 supports (well, 1 if you go with an inverted V, but that's a big compromise).

For horizontally polarized antennas (horizontal loop, dipole, or vertical loop fed at top or bottom), the single most important dimension is the height above ground in wavelengths. Since we're talking about 80m antennas close to the ground, you'd want to get the antenna as high as possible. That indicates a dipole -- you only need two high supports.

Unless you are trying to build an NVIS (Near Vertical Incidence Skywave) antenna, I'd avoid the horizontal loop.

Go with the dipole. It's simpler, easier to get up higher and easier to maintain.

I had a 270ft horizontal loop at 18 feet. I replaced it with a 125ft dipole at 45 feet. The dipole was always a much better performer than the loop ever was.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 6 Dec 2000 10:01:18 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <elbc@pivot.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85579] Re: Advice on Loop
Message-ID: <1001106100117.KAA09243@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/5/00 8:29 PM, Pastor-KC1DI at elbc@pivot.net wrote:

>I used a 500' Horizontal loop for many years here and it was a super
>performer , the best all band antenna i've used. I would go with the 330'
>Loop and feed it with open wire line.. It will have fairly low angle
>radiation on all frequencies where the loop is greater than about 1.5
>wavelength.

The angle of radiation is dictated by the height above ground more than the wavelength of the loop. At lengths of more than 2 wavelengths, the antenna starts to behave more like a rhombic than a loop. Either way, the height above ground determines the pattern and angle of radiation.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 6 Dec 2000 08:03:21 -0700
From: "Bruce Kizerian" <kizerian@ced.utah.edu>
To: <andrew@utahdesign.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85580] Re: Paddle recommendations

Message-ID: <037901c05f95\$ad9eb880\$de56d9d8@sarcos.com>

> I'm looking for recommendations on what paddle to get. Anything up to
> about \$150. I would also like recommendations in the \$100 range.

For \$150 I would recommend the Kent Twin Paddle. Went to the local ham shop last week just to "hang around" ("Honest, honey, I won't buy anything..."). Played with the paddle for a few minutes and was hopelessly sold. There are better paddles, but probably not in this price range.

I already had three other paddles when I succumbed to temptation, an MFJ 422 combo, a cool brass Spanish paddle (sold by Morse Technologies), and an old HamKey paddle straight key combo. I like the MFJ next best. If mom and dad can't afford the Kent, go for a Bencher or MFJ.

Of course, opinions will differ. If you can play with a few keys first, by all means, do that. Go to the local ham store if there is one around. Talk to local hams. Who knows? You may find a good deal on a used paddle set. (Mom and dad will be grateful).

Hope this helps

Bruce kk7zz

Date: Wed, 6 Dec 2000 10:04:01 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <pschweitzer@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85581] Re: Advice on Loop
Message-ID: <1001106100400.KAA09560@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/5/00 11:05 PM, pschweitzer at pschweitzer@netzero.net wrote:

>STAY AWAY FROM 450 Ohm line,,,,, unless you want to run matched line (a
>pain) or deal with tvi (another pain)

I'm not sure what you mean by "matched line", but 450 ohm line is balanced. If properly fed, it should not cause TVI, nor should it radiate.

>rg 58 is ok,, it will due but if you can get it ,,, 1/2 inch RG8 or RG 213
>RG214 .
>it gives you added db at the antenna,,, low loss of that 3 watts

And open wire will give you even more dB to the antenna. Look up the specs -- open wire has much lower loss than any coax.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 6 Dec 2000 10:09:18 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <pschweitzer@netzero.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85582] Re: Advice on Loop
Message-ID: <1001106100917.KAA10338@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/6/00 7:00 AM, pschweitzer at pschweitzer@netzero.net wrote:

>I just found that there is an unacceptable loss with a non resonant multi
>band approach.

Where do the losses occur? Certainly not in the feedline, if open wire is used. Losses in the tuner are a concern. I use a 2 kW tuner, yet I never run over 100 watts. I also use a 2 kW balun to go from the tuner output to the open wire. Again, the oversize components are to minimize loss.

>The difference is quite noticeable when compared to a
>monoband approach. As far a simplicity and aggravation using unbalanced coax
>through a balun at the feed point. resonance adds cheep performance also..

There is nothing "magical" about having an electrically resonant antenna element. According to Maxwell, when properly matched, the whole antenna system exists in a resonant state -- that of the conjugate match.

>I dislike tuners even though it "works" in the multi band role also.

The primary concern is to minimize loss. Open wire and well-designed tuners and transformers account for that.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 06 Dec 2000 10:14:43 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@lehigh.edu
Subject: [85583] Attentiion Flying Pigs
Message-ID: <3A2E57E3.1F76@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Attention Georgia Flying Pigs!

You guys might want to look at the ebay auction site. Someone is
offerring "Flying Pigs" Monopoly pieces today in a 'dutch' auction. At
4.95 each they would make nest little club mascots! Check them out at:

<<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1000099221>>

I have no interest in this auction and no interest in the Flying Pigs
either!

73

Date: Wed, 06 Dec 2000 15:26:13 +0000
From: "Chuck Adams, K7QO" <k7qo@primenet.com>
To: qrp-l@lehigh.edu
Subject: [85584] [CONTEST]: Reminder for logs
Message-ID: <5.0.2.1.0.20001206152350.009ee160@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Today is the last day for you to get your SS CW Logs to the ARRL.
If you have your logs in Cabrillo Format you can email them to
SSCW@arrl.org

You will get back an automatic reply noting that the log was
received at ARRL HQ. I was log #1077 that they had received.

FYI

Chuck Adams, K7Q0
Prescott, AZ k7qo@primenet.com

Date: Wed, 6 Dec 2000 10:59:43 -0000
From: "Bob Duckworth" <wb4mnf@atl.org>
To: <aa4lr@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85585] Re: Advice on Loop
Message-ID: <200012061553.KAA06320@hat-trick.atl.org>

I disagree on dipole being better than vertical loop.

Using NEC to model, the full wave loop (80m circumference)
has a lower angle of radiation on both bands than a dipole at the height
of the top wire (modeled over average ground).
I have used one for years and ease of VK and ZL contacts from Atlanta on
both 80 and 40 have convinced me that the low angle radiation is there.

The loop has other advantages as well.

- 1) Lower noise in winter. No corona off the ends, like a dipole.
- 2) Lower noise from near field sources, year round.

The loop I use is full wave 80m with 1/8 wave verticals and 3/8 wave
horizontals
and a bottom wire that is approx 3m above ground. This is the one I
modelled.
Feed with 450ohm twinlead and balanced tuner.

I am on the west side of a N-S ridge and approx 6' below the top of the
ridge.

Get the 30day demo nec4win and model with different feed points to see how
radiation angle and lobes change.

-bob

Date: Wed, 6 Dec 2000 11:02:18 EST
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [85586] Antenna tuner question: Thanks!
Message-ID: <78.d9af95b.275fbd0a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy folks,

Many thanks for all of the help on my antenna tuner question. I tried to be certain to answer (and thank) everyone, but if I missed you, please accept my thanks here. What a great group!

Bob Sparks AB5ZD

Date: Wed, 06 Dec 2000 10:06:15 -0600
From: Gary Lee Phillips KA9NZI <ka9nzi@arrl.net>
To: qrp-l@Lehigh.EDU
Subject: [85587] Re: Advice on Loop
Message-ID: <3A2E63F7.5FA66D70@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, I thought loops that exceed a full wavelength tended to radiate in the plane of the loop, rather than perpendicular to it. I'm sure I've read that many times. So a 330 foot horizontal loop isn't going to be that much of an NVIS radiator on most of the HF bands, as long as it is about 30 feet (or more) above the effective ground.

I agree with everyone who recommended open wire or twinlead feed for this type of loop. I've used twinlead and ladder line feeders for years with both doublets and loops, and NEVER had an RFI complaint. I haven't always run QRP levels, either (though I doubt I've ever exceeded 100w.)

Large loops are great for both receiving and transmitting, as long as you have adequate matching capabilities. Worked a fine QRP field day some years ago using such a loop, suspended at the corners by helium balloons tethered about 50 feet above the ground. Fed with heavy duty speaker wire as a balanced feeder, it worked great. Note that speaker wire is NOT a good idea for QRO operation, though.

-- Gary Phillips, Marengo, IL <mailto:ka9nzi@arrl.net>
KA9NZI, Seneca Twp., McHenry Co., IL Grid: EN52rg
QRP-L #2124 <http://www.qsl.net/ka9nzi/>

Date: Wed, 6 Dec 2000 11:07:17 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <wb4mnf@atl.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85588] Re: Advice on Loop
Message-ID: <1001106110716.LAA18787@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/6/00 5:59 AM, Bob Duckworth at wb4mnf@atl.org wrote:

>I disagree on dipole being better than vertical loop.

Is that a horizontal or vertical dipole?

>Using NEC to model, the full wave loop (80m circumference)
>has a lower angle of radiation on both bands than a dipole at the height
>of the top wire (modeled over average ground).

Is the loop vertically polarized, or horizontally polarized? You can
change the polarization depending on where you feed it.

>I have used one for years and ease of VK and ZL contacts from Atlanta on
>both 80 and 40 have convinced me that the low angle radiation is there.

>

>The loop has other advantages as well.

>1) Lower noise in winter. No corona off the ends, like a dipole.

>2) Lower noise from near field sources, year round.

Yup. Loops are quiet antennas.

>The loop I use is full wave 80m with 1/8 wave verticals and 3/8 wave
>horizontals

>and a bottom wire that is approx 3m above ground. This is the one I
>modelled.

>Feed with 450ohm twinlead and balanced tuner.

I'd agree that a vertically polarized vertical loop is a better choice,
especially at low heights than a horizontal loop. (Unless you're actually
trying to make an NVIS antenna)

W4RNL has a number vertically polarized vertical loops in his SCV antenna
series. If you have the height for the support, they are good choices.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Wed, 06 Dec 2000 10:20:43 -0600
From: David Heintzleman <pstrdave@kdsi.net>
To: elbc@pivot.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85589] Re: Advice on Loop
Message-ID: <3A2E675B.9E2B699@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Previous QTH, had excellent performance with loop resonant at 80 mtrs,
then one at 160 mtrs, fed near corner with ladder line/tuner/balun -
my antenna was 35 feet above ground, parallel to earth, almost a
square. was very satisfied with multiband performance,
wrote about in in "The Five Watter," Michigan QRP's mag, editor called
me "the pastor with the blaster"
73, Dave K8BBM ex N0BQW

Pastor-KC1DI wrote:

>
> ----- Original Message -----
> From: "pschweitzer" <pschweitzer@netzero.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Tuesday, December 05, 2000 11:05 PM
> Subject: Re: Advice on Loop
>
> > well Sir
> >
> > as far as what I find effective
> >
> > 1st,,, I strictly run monoband dipoles with a 1:1 balun. no tuners ect.
> > you may be able to stack dipoles on 1 feed line but insure that you tune
> the
> > array with a antenna analyzer.
> >
> > STAY AWAY FROM 450 Ohm line,,,,, unless you want to run matched line (a
> > pain) or deal with tvi (another pain(SNIP)

>
> Rob, 450 ohm Balanced line when properly used and balanced causes no more
> TVI than Coax.. And for an All Band Antenna it is the feed line of Choice
> for it's loss characteristics.--Dave kc1di
>
> > rob
> > KA0PGQ
> >
> > ----- Original Message -----
> > From: Steve Muncy <listsubs@sintezo.com>
> > To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> > Sent: Tuesday, December 05, 2000 6:34 PM
> > Subject: Advice on Loop
> >
> >
> > > I'm not an expert on antennas - far from it - but I've always preferred
> > > simple wire antennas. I realized just recently that the placement of
> > > trees
> > > around my lot will allow me to put up a loop antenna, although not
> > > higher
> > > than 25-35 feet and with a total loop length of around 330 feet. I don't
> > > know much about loops, but I suspect such an antenna will be superior to
> > > my
> > > G5RV at 20 feet.
> > >
> > > The antenna will be used on 80 thru 10 meters. I need the advice of the
> > > esteemed and experienced operators on QRP-L.
> > >
> > > 1) should I go for maximum length of about 330 ft, or cut it back to the
> > > 272
> > > feet that would be a resonant loop on 80 meters?
> > >
> > > 2) my inclination is to feed it with 450 ohm window line, but I see some
> > > recommendations to feed it with small coax. Since I'm usually running
> > > less
> > > than 3 watts, line loss of RG-58 might be a consideration since the run
> > > will
> > > be about 50 feet. Any thoughts?
> > >
> > > 3) or should I just dump the idea of a loop and go with 100' of wire
> > > antenna
> > > fed as a dipole with 450 ohm ladder line?
> > >
> > > Suggestions direct to me, or to the list are appreciated.
> > >
> > >
> > > -----
> > > Steve Muncy, NI5V <mailto:smuncy@sintezo.com>

> > > Dallas, TX <<http://www.sintezo.com/smuncy/hamradio/>>
> > > QRP-ARCI #10330 QRP-L #2191 FISTS # 7412
> > >
> > >
> >
> >
> > _____NetZero Free Internet Access and Email_____
> > Download Now <http://www.netzero.net/download/index.html>
> > Request a CDRom 1-800-333-3633
> > _____
> >

Date: Wed, 6 Dec 2000 09:34:30 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Chuck Adams, K7QO" <k7qo@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85590] Re: [CONTEST]: Reminder for logs
Message-ID: <Pine.LNX.4.10.10012060932210.995-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chuck, Yes the ARRL and CQWWDX places where you send your log send back an automatic message, and I like that. It does tell you your e-mail was received and decoded to a point they could send you the message....:-)

On Wed, 6 Dec 2000, Chuck Adams, K7QO wrote:

>
> Gang,
>
> Today is the last day for you to get your SS CW Logs to the ARRL.
> If you have your logs in Cabrillo Format you can email them to
> SSCW@arrl.org
>
> You will get back an automatic reply noting that the log was
> received at ARRL HQ. I was log #1077 that they had received.
>
> FYI
>
>
>
>
> Chuck Adams, K7QO
> Prescott, AZ k7qo@primenet.com
>

>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 6 Dec 2000 08:40:10 -0800
From: schoon@amgt.com
To: <qrp-1@Lehigh.EDU>, <fxtech@earthlink.net>
Subject: [85591] RE: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-001206164010Z-291@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Wow, a 100 MHZ RX bandwidth?? Sign me up!! :)

72

.mark

>-----

>From: Trevor Jacobs[SMTP:fxtech@earthlink.net]
>Sent: Wednesday, December 06, 2000 12:28 AM
>To: Low Power Amateur Radio Discussion
>Subject: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
>
>Hey Everyone,
> I was thinking tonight about what to do with the micro Altoids tins, you
>know the tins that are a lot smaller than the regular ones (I finally found
>some and bought one!!!). So here's the challenge: Can any of you come up
>with a micro (probably SMD PCB) transciever for 40 meter that can cover at
>least 100 MHz of the band and put out at least 1 watt that will fit inside
>one of these tiny boxes? Full VFO and at least 3 KHz RIT to boot would be a
>bonus. This could be the ultimate stealth fun QRP radio. The Ultimate Pocket
>Rocket!!! I'm sitting here looking at this little tin and already trying to
>figure out how to pack all of that in there. Sounds like a cool building
>contest to me. What do you guys and gals think? Take care...
>
>73
>Trev
>KG6CYN

>
>

Date: Wed, 6 Dec 2000 11:43:00 -0500
From: "Pastor-KC1DI" <elbc@pivot.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Bill Coleman" <aa4lr@arrl.net>
Subject: [85592] Re: Advice on Loop
Message-ID: <002901c05fa3\$99896440\$151299d0@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Bill Coleman" <aa4lr@arrl.net>
To: <elbc@pivot.net>; "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Wednesday, December 06, 2000 10:01 AM
Subject: Re: Advice on Loop

> On 12/5/00 8:29 PM, Pastor-KC1DI at elbc@pivot.net wrote:

>

> >I used a 500' Horizontal loop for many years here and it was a super
> >performer , the best all band antenna i've used. I would go with the
330'

> >Loop and feed it with open wire line.. It will have fairly low angle
> >radiation on all frequencies where the loop is greater than about 1.5
> >wavelength.

>

> The angle of radiation is dictated by the height above ground more than
> the wavelength of the loop. At lengths of more than 2 wavelengths, the
> antenna starts to behave more like a rhombic than a loop. Either way, the
> height above ground determines the pattern and angle of radiation.

>

>

>

> Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net

> Quote: "Not within a thousand years will man ever fly!"

> -- Wilbur Wright, 1901

>

Hi Bill,

We've basically said the same thing in different ways.. the radiation angle
of a loop will decrease in a multiband system because as you go up in

Frequency (really should say down) the height of the antenna , in this case a multiband horizontal loop will increase in wavelength.. above ground. However this lowering of the radiation angle doesn't accrue in the horizontal loop at length much below 1.5 wavelength in circumference because most of the radiation for those size loops is perpendicular to the plan of the loop.. thus as many are fond of say cloud burners , but they are useful on the lower hf and Mf bands. Thus a 1 wave long 160m approximately 500 some odd feet will give good all round performance from 160 through ten meters when fed with open wire (I.E. balanced line) .

As I advised in my original post go to L.B. Cebik's fine Page he's already done the analysis and I can find no error in his conclusions..

73 Dave KC1DI

Date: Wed, 6 Dec 2000 09:58:19 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [85593] Re: Best antenna bet for 80 meters.
Message-ID: <008101c05fae\$1eb4fda0\$eac1b3d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dan

An idea to consider. Put a remote autotuner like the LDG units at the antenna. You could use a relay to insert or remove the tuner when working on bands where you are already well matched. In this way, working bands like 80m, you don't have to deal with the transformer action of the feedline confusing your match. Just load and go.
73, Bob N6WG

Date: Wed, 6 Dec 2000 09:25:25 -0800
From: dave_epps@juno.com
To: qrp-l@lehigh.edu
Cc: eleccraft@qth.net
Subject: [85594] K-1 Alive in Fresno
Message-ID: <20001206.095747.-56291.0.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain

Content-Transfer-Encoding: 7bit

K-1 #50 was another awesome building experience.
I had to remove 1 turn from the vfo inductor.
dave ab5pc fresno, ca.

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 06 Dec 2000 11:00:16 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>, azqrp <azqrp@extremezone.com>, Bob Hightower
<nk7m@extremezone.com>, Roger Hightower <n7kt@worldnet.att.net>
Subject: [85595] CONTEST: QRPDUPÉ New Version Released
Message-ID: <3A2E7EB0.45E9B739@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

The latest version of the QRPDUPÉ program has just been uploaded to my
web site:

<http://www.dancris.com/~bkassel/index.htm#top>

It is Freeware, and runs under any version of MS Windows.

The upcoming ARRL 10M contest is now supported, and some minor bugs have
been fixed. Both Phone and CW are supported.

If you use the program this weekend for the 10M contest, I would
appreciate it if you could let me know of any unidentified countries
that might turn up in the program. I'm trying to get the country data
base data as accurate as possible.

The next release will include the Canadian RAC contest, and perhaps a
new feature or two.

Brian K7RE
AZ SCQRPions

Date: Wed, 06 Dec 2000 13:04:12 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-l@lehigh.edu
Subject: [85596] EPA Calendar
Message-ID: <XFMail.001206130412.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Just received my calendar from the EPA QRP club. If you have not ordered one, do it! It is great! Highly recommended.

And no, I don't get a percentage.

| | | | <_ > | . | / _ > | \ | John L. Sielke w2agn@pobox.com w2agn@qsl.net
| | | | / / | | | <_/\ | | NJ Grid:FM29LN <http://www.qsl.net/w2agn>
|_/_/_/ <___> | _ | ' ____ / | _ \ | NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
EX-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
SOC #390, fpQRP, ARLHS, OOTC, Elecraft K2 #00023 K1 #00146

Date: Wed, 6 Dec 2000 13:48:17 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [85597] Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
Message-ID: <200012061823.NAA25189@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> with a micro (probably SMD PCB) transciever for 40 meter that can cover at
> least 100 KHz of the band and put out at least 1 watt that will fit inside
> one of these tiny boxes? Full VFO and at least 3 KHz RIT to boot would be a

Sure, POC (piece of cake)

Here's how I would do it. It would be built on two boards that stacked inside the tin. Top board would have a 9835 dds and cpu on the bottom side and push buttons for tuning, rit and a led dial on the top side. Bottom board would have the Tx ampliifer, LPF and T/R switch on one side, Rx on the other. The Rx would have to be Direct Conversion though. Not enough room for a volume control either, so would use a headphone with volume control built into the cord.

I'd even think about building one for the heck of it, were it not for all the other half-built projects on the bench...plus, I have to figure out how to make an addaptor to program the SOIC cpu's I bought with something like this in mind..

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Wed, 6 Dec 2000 11:02:02 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Chuck Adams, K7Q0" <k7qo@primenet.com>
Subject: [85598] Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!
Message-ID: <002701c05fb7\$0a10c920\$1b15f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok,ok, guess I was a bit tired when I wrote that, It's 100 KHz ... ;-)

73

Trev
KG6CYN

----- Original Message -----

From: Chuck Adams, K7Q0 <k7qo@primenet.com>
To: <fxtech@earthlink.net>; Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, December 06, 2000 6:40 AM
Subject: Re: A Challenge/The Ultimate Pocket Rocket!!! - Can You Do It!!!

> At 12:28 AM 12/6/00 -0800, Trevor Jacobs wrote:

>

>

> >---snip snip---

>

>

>

> >some and bought one!!!). So here's the challenge: Can any of you come up

> >with a micro (probably SMD PCB) transciever for 40 meter that can cover

at
> >least 100 MHz of the band and put out at least 1 watt that will fit
inside
>
> ---snip snip---
>
> >73
> >Trev
> >KG6CYN
>
>
> I'm sorry. I have to pass on this challenge. The best VFO I have in the
> house can only do about 30MHz. 100MHz coverage is more than just a
challenge...
> :-) ;-)
>
> The VFO I refer to is a kit from Boyd Electronics and called a signal
generator.
>
> Ooops. Forgot about the Tektronix Signal Generator. I went and looked
and
> it can do 99.5 MHz in 7 ranges. But it is bulky and uses two tubes and
isn't
> stable enough for CW work or even SSB.
>
> Sorry. I just couldn't resist.
>
> FYI
>
>
>
>
>
> Chuck Adams, K7QO
> Prescott, AZ k7qo@primenet.com
>
>
>

Date: Wed, 6 Dec 2000 11:09:26 -0800
From: steven.e.huss@exgate.tek.com
To: qrp-1@Lehigh.EDU
Subject: [85599] F/S: Norcal 40A
Message-ID: <9B2BEE809C00D2118A7E0008C728578003354D05@us-wv-m10.bv.tek.com>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Norcal 40A from Wilderness Radio. Includes the optional front panel for the KC1 keyer. Very clean and no mods. Includes shipping to conus. \$100 or \$120 includes the text, The Electronics of Radio. This book is described at the Wilderness Radio web site.
73,

Steve
kc7zvm

Date: Wed, 6 Dec 2000 13:19:40 -0600
From: "Jay Bromley" <w5jay@alltel.net>
To: <qrp-1@Lehigh.EDU>
Subject: [85600] RE: ArkieCon
Message-ID: <011d01c05fb9\$7bb323a0\$079b66a6@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all,

Some have asked about the web page for ArkieCon, it is at
<http://www.qsl.net/kk5ku/arkiecon.html>

I have not worked on it much, I need to change the chairman's name to Win
(W5JAG - We now know what that stands for!)

Any positive suggestions on the web site are welcome! Hope to cu this
April!

72.....Kelsey
K5POWER QRP type :-) k5pwr. . . .

Date: Wed, 6 Dec 2000 13:44:07 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [85601] RAC Summer & Winter logger pgm
Message-ID: <Pine.LNX.3.95.1001206130458.27912B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm a little nervous about making this announcement because the idea of supporting a logging program for use by other people is a completely new area for me and I'm sure to "stumble" sooner or later...HI HI...but with your patience and help, I believe those of you who give this program a try will like it very much and you will use it every year for the RAC Summer & Winter contests...this is brought to you by the QRP-Canada group.

...OK folks, the new version of the "Canaday Logging program" is now available for downloading....it is FREEWARE...I suggest you download it BEFORE the Winter contest on December 30,31 and practice running it...after you've done a practice run, just type ERASEALL in where you normally enter a callsign and you will clear the data files and be ready for the "real" contest...

...I am still making more information available in the Manual file but what is there now will get you going ok...

...there will be a change <before the Winter contest> to the main program F1 menu to the "HOME" key function...the change will be to the wording only to make it more clear as to the actual function....the new wording will be "HOME chk for needed Mult"....what this means is that AFTER you have worked a station and ENTERED it in the log, you press the HOME key and you will know whether or not you need this station in the opposite mode for a new multiplier...if not, then do an Alt-W to wipe out the entire line and carry on...

...so here's the URL:- <http://www.rac.ca/qcanday.htm>

...I hope to be in the contest for a few hours at least running this software mainly to check it out under "battle" conditions...I will be running VE5QRP in the QRP category...

...there is additional work to be done yet such as adding an automatic "e-mail-your-results-to-RAC" function and then on to a Ctl-I "Interface-with-your-rig" function....right now the program produces a very nice hard-copy print-out to mail to RAC with all your results...we're also checking the Ctl-P function (real time printing) which, right now, is like a politician; now you see him and now you

don't...HIHI...now back to the 40 mtr Fox Hunt Team scores eh... ;-)

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Wed, 6 Dec 2000 12:13:56 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Subject: [85602] Paddle Recommendation from KI6DS
Message-ID: <01c05fc1\$103e0240\$330b0d0a@dhendricks>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, my recommendation for a quality set of paddles in the \$100 price range is the Vibroplex version of the NorCal K8FF paddles. They call them the Code Warrior I believe, and they are an improved version of the NorCal kit, (plus you don't have to build them, grin). They come with silver contacts, knurled knobs and are a delight to use (ask Chuck Adams). This paddle is far superior to the Bencher in that it is much more adjustable and it has NO springs to fly apart when you drop it or take it to the field. I have no financial interest in Vibroplex or the Code Warrior, although I do have a set with gold plated brass parts that is serial number 2 and was presented to me by Wayne Smith, K8FF, who is a dear friend. (Wayne has serial number 1, which is gold plated base and brass!! A thing of beauty that was presented to him at Dayton by Mitch of Vibroplex.)

72, Doug

Date: Wed, 6 Dec 2000 12:38:10 -0800
From: steven.e.huss@exgate.tek.com
To: qrp-1@Lehigh.EDU
Subject: [85603] FW: F/S: Norcal 40A
Message-ID: <9B2BEE809C00D2118A7E0008C728578003354D06@us-wv-m10.bv.tek.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Good response on the Norcal... it is sold.

73,

Steve

> -----Original Message-----

> From: Huss, Steven E

> Sent: Wednesday, December 06, 2000 11:09 AM

> To: 'qrp-1@Lehigh.EDU'

> Subject: F/S: Norcal 40A

>

> Norcal 40A from Wilderness Radio. Includes the optional front panel for
> the KC1 keyer. Very clean and no mods. Includes shipping to conus.

> \$100 or \$120 includes the text, The Electronics of Radio. This book is
> described at the Wilderness Radio web site.

> 73,

>

> Steve

> kc7zvm

>

>

>

Date: Wed, 06 Dec 2000 20:47:26 +0000

From: "Chuck Adams, K7QO" <k7qo@primenet.com>

To: ki6ds@dph.dpol.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [85604] Re: Paddle Recommendation from KI6DS

Message-ID: <5.0.2.1.0.20001206203937.009f6750@pop.primenet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 12:13 PM 12/6/00 -0800, Doug Hendricks wrote:

>Guys, my recommendation for a quality set of paddles in the \$100 price range
>is the Vibroplex version of the NorCal K8FF paddles. They call them the
>Code Warrior I believe, and they are an improved version of the NorCal kit,
>(plus you don't have to build them, grin). They come with silver contacts,
>knurled knobs and are a delight to use (ask Chuck Adams). ---snip---

>

>72, Doug

I second the recommendation also. I have a set of the paddles that I use daily on the desk for casual operating. They are probably the best paddles around priced under \$100. The thing that really really makes the difference is the silver contacts. It makes the paddle quiet in use and they don't have

the bounce (multiple contact closures) that causes errors while sending at higher speeds.

I have my Brass Racer with the square base (Serial #1) down at the present time for refinishing and a mod. I also have some silver contacts for the NorCal paddles but am waiting on some knurled brass knobs and screws to modify mine like I want them.

I do not work for Vibroplex or have a financial interest in same, but I do like the Code Warrior Paddle.

FYI

Chuck Adams, K7QO
Prescott, AZ k7qo@primenet.com

Date: Wed, 6 Dec 2000 15:56:05 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
To: <nk7m@extremezone.com>, "Low Power Amateur Radio Discussion" <qrp-
l@lehigh.edu>
Subject: [85605] RE: FYBO Rules
Message-ID: <LPBBJAGIPFHKPJENAKLOIEGNDCAA.n1bq@wulfdn.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

... so ... if I understand this right ... if we operate from my home, which is a cabin in the woods on the side of a mountain, which is completely off grid solar and wind powered. We get the alternative energy multiplier. Now if we operate from out on my deck, with field expedient antennas we erect at the time, we get the field multiplier too as well as whatever the thermometer gives us ... and anyone not operating can zip inside and sit by the woodstove and thaw out when not operating ... is that correct? I hope so, I already have a volunteer gourmet chili cook lined up!!!!

For the multi-op class is there any limit or categorization with regards to then number of simultaneous transmitters other than the usual technical considerations?

I dunno where other FYBO groups are, but the odds here in NW Vermont for first week in February are that we will max the temperature multiplier.

72 de brian, n1bq

> -----Original Message-----

> From: Bob Hightower

> Sent: Wednesday, December 06, 2000 9:22 AM

>

> OK, lots of questions on power, field location, etc...

>

> Power: If you operate inside or outside (like your back yard)

> and run on AC

> Mains (commercial type, 'ya know), you don't get an alternate power mult.

> If you operate outside or inside, on battery, solar or any other source

> than the AC Mains, you get the mult. Simple.

>

> Field location: If you operate out of your house, or a

> building on your

> property, you are in the field, unless you operate from a cabin in the woods....that's still inside :^). The temp mult is what's

> gonna seperate

> the 'men from the boys' anyway.

>

> Let's try to keep it simple and fun. It ain't for the

> Championship of the

> World. It is assumed that everyone will be honest (no reason not to do so),

> so let's all have fun and just do it.

>

> And no, there isn't gonna be a multiplier for homebrew, QLF,

> funny hats or

> other such stuff.

>

> Bob Hightower NK7M

> Chandler, AZ

> SOC #20

> K2 #157/255, K1 #41

>

>

> <http://www.extremezone.com/~nk7m>

>

Date: Wed, 6 Dec 2000 14:56:10 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <n0rc@hotmail.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [85606] bifilar: twisted vs. linear winding
Message-ID: <005001c05fc6\$f6375a80\$5ac07481@rohredt2000>

Bifilar winding is done to create a transmission line segment such as for a balun on a core, or tube.

Consider the basics: A twisted pair cancels the inductive component of parallel lines, while the parallel case has both the linear inductance and the wire to wire capacitance. Likely there is a bandwidth advantage for one over the other, but the reactance terms might be useful in adjusting the winding to a certain job. I don't recall if Savick covers when to use one over the other in his books, but that and old Ham Radio and Communications Quarterly back issues would be other places to read up on this technique. And of course, there may be good coverage in some Antenna and lines textbook.

73,
Stuart K5KVH

Date: Wed, 06 Dec 2000 13:48:53 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: dave_epps@juno.com
Cc: qrp-1@lehigh.edu, elecraft@qth.net
Subject: [85607] Re: [Elecraft] K-1 Alive in Fresno
Message-ID: <3A2EB445.2E362B43@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

dave_epps@juno.com wrote:

>
> K-1 #50 was another awesome building experience.
> I had to remove 1 turn from the vfo inductor.
>

Dave, you are really tearing along: PSK-40 just a few days ago, and now

a K1. What's next on your agenda?

I'm waiting for my SMK-1 to arrive and collecting/making tools to help.
Hmmm .. may need a bit of Valium, too, given my track record at losing
SMT components :-;

73, Phil W7OX

Date: Wed, 6 Dec 2000 14:53:23 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Stuart Rohre <rohre@arlut.utexas.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85608] Re: bifilar: twisted vs. linear winding
Message-ID: <Pine.BSI.3.96.1001206145000.26587A-100000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sevick was not much of an advocate for using twisted wire, but
there is an IEEE paper on the subject:

Lefferson, P., "Twisted Magnet Wire Transmission Line," IEEE
Transactions on Parts, Hybrids, and Packaging, Vol. PHP-7,
No. 4, Dec 1971, pp. 148-154.

Chris

On Wed, 6 Dec 2000, Stuart Rohre wrote:

> Bifilar winding is done to create a transmission line segment such as for a
> balun on a core, or tube.
>
> Consider the basics: A twisted pair cancels the inductive component of
> parallel lines, while the parallel case has both the linear inductance and
> the wire to wire capacitance. Likely there is a bandwidth advantage for one
> over the other, but the reactance terms might be useful in adjusting the
> winding to a certain job. I don't recall if Savick covers when to use one
> over the other in his books, but that and old Ham Radio and Communications
> Quarterly back issues would be other places to read up on this technique.
> And of course, there may be good coverage in some Antenna and lines
> textbook.
>
> 73,
> Stuart K5KVH
>
>

I wish that this chart showed the danger zones, eg "at this temperature frost damage to exposed skin can occur in XX minutes". Any idea where th=

is
might be found? We commanding officers had small pocket versions when we=
served in Alaska.

You have performed a very useful service in bringing this to our attentio=
n.

Thanks for your help.

73,
--Doc/K0EVZ

Date: Wed, 6 Dec 2000 16:55:18 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [85610] Kenwood TS-830
Message-ID: <200012061655_MC2-BDB0-6A25@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

I am considering selling my beloved Kenwood TS-830 transceiver. This one =
is
in superb condition, with no known blemishes. Electrically it is a 10 ou=
t
of 10, and is a joy to own and operate. It has one of the quietest
receivers around, and excels in weak signal work, such as FOX hunting and=
DXing. =

Power can be adjusted from the front panel from zero to QRO levels. The
tank circuit can load most antennas without need for an external tuner.

NOTE--I also have two *pairs* of extra new-in-the-box 6146A final tubes,
and one new driver tube. Would want these to go with the rig and be
included in the selling price. =

Can someone help me arrive at a fair price for the entire deal? Thanks i=
n

advance.

72,

--Doc/K0EVZ

Date: Wed, 06 Dec 2000 14:08:54 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: n6wg@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85611] Re: Best antenna bet for 80 meters.
Message-ID: <3A2EB8F6.D50F0F59@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Tellefsen wrote:

>
> Dan
> An idea to consider. Put a remote autotuner like the LDG units at the
> antenna. You could use a relay to insert or remove the tuner when working
> on bands where you are already well matched.
> In this way, working bands like 80m, you don't have to deal with the
> transformer action of the feedline confusing your match. Just load and go.
>

LDG or SGC? I did not know LDG had any WX proof models.

Phil W7OX

Date: Wed, 6 Dec 2000 17:42:25 -0500
From: w2xn@juno.com
To: qrp-l@Lehigh.EDU
Subject: [85612] Re: [fpqrp] Pointers in Orange County and Palm Springs?
Message-ID: <20001206.180131.-874493.1.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

Ian,

There is an "HRO" store in Anaheim just south of the intersection of the
Rt-91 and I-5 freeways. I don't remember the name of the street or the

address, but I would guess that you could find it if you looked up HRO on the web. You may remember them being in the news about a year ago where they had a fire and were gutted along with several other stores in the strip. The only thing that wasn't destroyed was one of those fake owls you put on your beam to scare off birds. They have it in the store and have nicknamed it "Smokey"

Fred W2XN w2xn@arrl.net
Lakeland, FL
ARRL, ARES, Skywarn #POL-007, V E;
QRP: AR #233, QRP-L #1728, NJ #197, Zombie #709, FP #126
=====

On Thu, 07 Dec 2000 09:11:27 +1100 "Ian C. Purdie VK2TIP"
<ianpurdie@integritynet.com.au> writes:
> Any pointers to a purveyor of quality SW receivers (e.g. YAESU
> FRG100)
> in Orange County and Palm Springs?
>
>
> 72/73's
>
> Ian Purdie
> "I believe Australia is the best address on earth"
> Budgewoi N.S.W. Australia - Co-ords S33 14', E151 34'
> My FREE Newsletter:
> <http://www.electronics-tutorials.com/subscribe.htm>
> VK2TIP "I'll give ya the TIP mate" QRP-L #1978. SOC #171 FP#91
> URL - <http://www.electronics-tutorials.com/>
>
>
>
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe
> fpqrp-l -
>

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Wed, 6 Dec 2000 16:01:40 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85613] Re: Good [vital] Information for FYBO Contest

Message-ID: <Pine.LNX.4.10.10012061556490.1480-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Let me chime in with real hypothermia experience. Most of my cases occurred in men and a few boys at temperatures around 50 degrees F! The people had been back packing for 8 hours and usually were wet from an afternoon rain in the Wilderness Area. Once detected, the sick person is placed in a sleeping bag with a well person and fed Jewish penecillin, hot chicken soup (freeze dried). In about an hour the patient is well and the well person is pissed off. Both good news.

On Wed, 6 Dec 2000, Wilford D. Lindsey wrote:

> Ron:
>
> Thanks very much for posting this vital information. I join you in urging
> folks to pay particular attention to the possibility of injury due to cold.
> In addition to the risk of skin damage, there is also the possibly of
> hypothermia, where the body's core gets too cold. Death can occur.
>
> I wish that this chart showed the danger zones, eg "at this temperature
> frost damage to exposed skin can occur in XX minutes". Any idea where this
> might be found? We commanding officers had small pocket versions when we
> served in Alaska.
>
> You have performed a very useful service in bringing this to our attention.
> Thanks for your help.
>
> 73,
> --Doc/K0EVZ
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Wed, 06 Dec 2000 15:17:55 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: w2xn@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
ianpurdie@integritynet.com.au

Subject: [85614] Re: [fpqrp] Pointers in Orange County and Palm Springs?
Message-ID: <3A2EC923.7D6CAD3E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

w2xn@juno.com wrote:

>
> Ian,
>
> There is an "HRO" store in Anaheim just south of the intersection of the
> Rt-91 and I-5 freeways.

That HRO is on Euclid (an exit from the 91), south of the 91 about 3-4
(long) blocks. The nearest major cross street is Las Palmas. The store
is south of Las Palmas and on the west side of Euclid.

If there is a specific item of interest, I would call ahead and make sure
they have it. Phones, addresses and catalog are all available at the
HRO web site.

<http://www.hamradio.com/>

BTW .. there is a link there re Important info for International
Customers.

73, Phil W7OX

End of QRP-L Digest 2028
